

Polyvance

ADVANCING POLYMER REPAIR

REPAIR INNOVATION

*A Complete Line of Plastic Repair
and Refinishing Products*

PLASTIC REPAIR EXPERTS SINCE 1981

ANALOG CONTROLS

DIGITAL CONTROLS

stand-alone



8000
single gas



8001
dual gas,
manual switch



8200
single gas



8201
dual gas,
automated switch

with cart



8002
nitrogen tank,
manual switch



8003
nitrogen generator



8202
nitrogen tank,
automated switch



8203
nitrogen generator

Features	ANALOG				DIGITAL			
	8000	8001	8002	8003	8200	8201	8202	8203
Digitally encoded temperature control					•	•	•	•
LED displays for power setting					•	•	•	•
Analog temperature control	•	•	•	•				
Single gas input	•			•	•			•
Switchable dual gas input		•	•			•	•	
Manual air-to-nitrogen switching		•	•					
Automatic air-to-nitrogen switching						•	•	
Precision flow valves for air and/or nitrogen flow control	•	•	•	•	•	•	•	•
Direct-reading precision flow gauge	•	•	•	•	•	•	•	•
Quick-change hose and handle assembly	•	•	•	•	•	•	•	•
200 watt airless welder element with ceramic core	•	•	•	•	•	•	•	•
550 watt air/nitrogen heating element	•	•	•	•	•	•	•	•
6066 Nitrocell Nitrogen Generator				•				•
Convenience Features								
Programmable start-up settings					•	•	•	•
Easily replaceable heating elements	•	•	•	•	•	•	•	•
Panel mounted circuit breaker					•	•	•	•
Panel mounted fuse	•	•	•	•				
Nitrogen bottle regulator and hose		•	•			•	•	
Air manifold for attachment of auxiliary air hose			•	•			•	•
Welding rod and tool storage compartments			•	•			•	•
Welding rod organizer case (qty)	1	1	1	1	1	1	3	3

Polyvance's Nitro-Fuzer® nitrogen plastic welders are the most advanced and fully-featured on the market. Each welder comes with everything you need to quickly start making the fastest and strongest plastic repairs on virtually any type of plastic.

Our Nitro-Fuzer line of welders offers an option to every shop and every budget, from our basic 8002 model to our top-of-the-line 8203, with its own nitrogen generator. Welding with nitrogen gas creates the strongest welds possible, because it eliminates oxidation of the plastic during the welding process. Think of it like TIG welding for plastic; there's no oxidation, no burning, and no weld contamination.

Nitrogen plastic welding is not just for bumpers... it may be used to repair virtually any plastic on the vehicle. Use it to repair broken headlight tabs, washer bottles, overflow bottles, fan shrouds, fender liners, rocker panel moldings, fuse boxes, air boxes, battery boxes, belly pans, and more. A Polyvance nitrogen plastic welder gives you options to improve the repair outcome for all parties.

- **Faster cycle time** - improve cycle time by up to two days.
- **Higher gross profit** - labor dollars keep profit in the shop.
- **Lower severity** - increase profit while reducing the overall repair cost.
- **Versatility** - repair tabs and small detail areas that are impossible with two-part adhesives.
- **Strength** - fusion welding is stronger than bonding.
- **Speed** - finish repairs faster than two-part adhesive repairs.
- **Avoid fit and blend issues** - repairing the OEM cover allows you to blend within the cover rather than onto the undamaged fenders. It also avoids aftermarket fit issues.
- **Estimating options** - improves flexibility while estimating. Reduces total losses. Improves bargaining leverage with adjusters.

Included Accessories	ANALOG				DIGITAL			
	8000	8001	8002	8003	8200	8201	8202	8203
6145 Hand seamer tool			•	•			•	•
6482 Aluminum Tape			•	•			•	•
Welding Rod (For a detailed list, visit www.polyvance.com)								
Urethane welding rod	•	•	•	•	•	•	•	•
15 feet each of PP, ABS, LDPE, TPO, PA, & 4 ft PC round rods	•	•	•	•	•	•		
Organizer case w/ five profiles of natural PP welding rod	•	•	•	•	•	•	•	•
Organizer case w/ five profiles of black PP welding rod							•	•
Organizer case w/ ABS, LDPE, TPO, PA, PC, & HDPE rods & ribbon							•	•
FiberFlex® welding rod and stainless steel wire mesh							•	•
5010-02 (3/32" thick) and 5010-03 (1/16" thick) polypropylene sheet							•	•
Construction								
Powder-coated, 16-gauge, USA-made steel cabinet	•	•	•	•	•	•	•	•
Sturdy cabinet-mounted torch holster	•	•	•	•	•	•	•	•
Fully-assembled, 16-gauge, USA-made welding cart							•	•
Oversized steel rivets throughout							•	•
Bolt-together, USA-made welding cart (assembly required)			•	•				
Safety								
Automatic low-pressure power cut-off protection	•	•	•	•	•	•	•	•
Fully-grounded, enclosed welder cabinet	•	•	•	•	•	•	•	•
Adjustable nitrogen bottle supports			•				•	
Training								
Free unlimited access to Polyvance's online training library	•	•	•	•	•	•	•	•
Free unlimited instant access phone tech support (7am-4pm CST Mon-Fri)	•	•	•	•	•	•	•	•
Free Polyvance plastic repair mobile app	•	•	•	•	•	•	•	•
Available Polyvance I-CAR® Alliance training courses. Your location, our location, and online courses available.* (*Fees and/or student minimums may apply.)	•	•	•	•	•	•	•	•

WELDERS & ACCESSORIES

5700HT MINI-WELD™ MODEL 7 AIRLESS PLASTIC WELDER

The Mini-Weld™ Model 7 Airless Plastic Welder is ideal for making quality repairs to virtually any type of plastic. The Model 7 is a highly portable, variable temperature, ceramic core welder that is perfect for occasional light duty repair. With 200 watts of power, this is the fastest welding and longest lasting airless plastic welder made.

Kit Contents for 5700HT

R01-01-03-NT	Polyurethane Rod	15ft.	R05-01-03-GY	TPO Rod	15ft.
R02-01-03-BK	Polypropylene Rod	15ft	R06-01-03-NT	Nylon Rod	15ft.
R03-01-03-WH	ABS Rod	15ft	R07-01-03-NT	Polycarbonate Rod	4ft.
R04-01-03-NT	Polyethylene Rod	15ft.	R10-04-03-BK	FiberFlex® Flat Sticks	15ft.
6012	200W Welding Element	1	2045W	Reinforcing Wire Mesh	1
6027HT	Standard Welding Tip	1	6124WB	Stainless Wire Brush	1
6031	Tear Drop Welding Tip	1			
	Welding Stand	1			

5700HT 230V 230 volt version of the Model 7 welder. CE approved for sale in the European Union.

5700HT Mini-Weld™ Model 7 Specifications

Weight 5.8 lb. (2.6 kg) - 5700HT / 6.0 lb. (2.7 kg) - 5700HT 230V CE
Electrical 110-120VAC/60 Hz - 5700HT / 220-240VAC/50 Hz - 5700HT 230V CE



6055 STEINEL® LCD HOT AIR WELDER

This simple hot air welder features variable fan speed and temperature control. Displays temperature on a small LCD. Includes a reduction nozzle, speed tip and a rugged carrying case. 1500W, 120°F - 1100°F.

Kit Contents for 6055

R02-01-03-BK	Polypropylene Rod	15 ft.	R06-01-03-NT	Nylon Rod	15 ft.
R02-03-03-BK	Polypropylene 3/4" Ribbon	15 ft.	R07-01-03-NT	Polycarbonate Rod	4 ft.
R03-01-03-WH	ABS Rod	15 ft.	6055-NOZ	Reduction Nozzle	1
R04-01-03-NT	Polyethylene Rod	15 ft.	6055-TIP	Speed Tip	1
R05-01-03-GY	TPO Rod	15 ft.		Storage Case	1

6066 NITROCELL™ NITROGEN GENERATOR

The 6066 Nitrocell Nitrogen Generator produces greater than 97% pure nitrogen for welding plastics. The generator is designed to fit on the welding cart and replaces the nitrogen bottle. The nitrogen produced can also be used for filling tires and other shop uses requiring nitrogen.

6061 WELDER COVERS

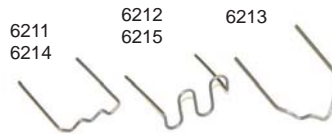
- 6061 Heavy duty vinyl cover for any of the nitrogen welding cart systems that use a nitrogen bottle.
- 6061-1 Complete heavy duty vinyl cover for the 8203 welding cart; covers welder and 8003 generator.



6204 HOT SPOT STAPLER FOR PLASTIC REPAIR

Polyvance's 6204 Hot Spot Cordless Plastic Stapler defines plastic reinforcement simplicity. The Hot Spot Stapler is perfect for holding torn plastic together and broken tabs in position while making weld repairs. With the included specialty staples, you will be able to strengthen virtually any type of thermoplastic repair. Battery lasts up to 150 times before recharging. Features LED light for illuminating tight spaces, single button operation, and a one year limited warranty.

Kit includes: Hot Spot Stapler (1) Storage Box
 (100) 6211 0.6 mm flat staples (100) 6212 0.6 mm wave staples
 (100) 6213 0.8 mm inside corner staples (100) 6214 0.8 mm flat staples
 (100) 6215 0.8 mm wave staples (1) Staple organizer case
 (1) Micro USB charger



SPECIALTY WELDING KITS

- ATVPRO** ATV Fender Welder, Pro Model - Includes a sheet of 2045W stainless steel reinforcing mesh, 6027 welding tip, a 200 watt element and 30 ft. natural LDPE, HDPE or PP 1/8" diameter rod. Additional colors available on the website.
- ATVPRO 230V** 230V Euro version of the ATVPRO. CE approved.
- KCWPRO** Kayak & Canoe Welder, Pro Model - Includes a 200W element and 10 ft. LDPE or HDPE sticks in your choice of color, 6031 tear drop top, and 1 sheet of 2045W stainless steel reinforcing mesh.
- KCWPRO 230V** 230V Euro version of the KCWPRO. CE approved.
- 5210** FiberFlex® Repair Kit - Fix TPO and PP bumpers with this kit. Includes a 200W element, 6031 tear drop tip, 15 ft. of FiberFlex flat sticks and 2045W stainless steel reinforcing mesh.
- 5210 230V** 230V Euro version of the 5210. CE approved.
- 5211** PolyPro Welder - Repair cracked bumpers, fuel tanks, and other polypropylene parts. Includes a 200W element, 15 ft. of natural or black polypropylene rod, 6027HT tip, and 2045W stainless steel reinforcing mesh.
- 5211 230V** 230V Euro version of the 5211. CE approved.
- 5212** RADiator Welder - Repair cracked radiators, intake manifolds, and other nylon parts. Includes a 200W element, 6027HT welding tip, 2045W stainless steel reinforcing mesh and 15 ft. of nylon welding rod.
- 5212 230V** 230V Euro version of the 5212. CE approved.



PLASTIC REPAIR TOOLS AND ACCESSORIES

TOOLS AND ACCESSORIES

6145 Hand Seamer - A quality, general-purpose tool used to flatten the edges of plastic welds while they are still hot. Useful in bumper repair.

6146 Polyvance's 6146 Bumper Pliers Kit makes it easier for technicians to repair rectangular "slot tabs" and recessed holes often found on bumper covers. These bumper tabs are designed to clip into brackets on the quarter panels and hold the bumper tightly in place. The tabs are weak and often break when removing the bumper. The Bumper Pliers Kit helps technicians repair these problem areas.

Slot tabs can be repaired using the nitrogen plastic welder, but without the aid of the Bumper Pliers Kit, the job requires much more skill and finesse. Additionally, technicians often have difficulty restoring the correct dimensions of the slot, which is critical for proper panel installation.

- Quickly and accurately repairs torn slots and recessed bolt holes in automotive bumpers.
- Increases shop profits by speeding up difficult repairs.
- Includes six different slot tab dies, one recessed hole die, and four sets of die pliers to repair virtually any slot.



6075 BUMPER MATE 2 BUMPER WORKSTATION

The 6075 Bumper Mate 2 workstation is the perfect accessory to the nitrogen welding system. It's compact, portable and uses any scissor stand* as the base. The Bumper Mate holds most bumpers and headlights in any position needed to give easy access to the most difficult areas. The removable extension arms hold the most awkward bumpers easily. Comes with two clamps - not shown. (*Scissor stand not included)



6076 BUMPER STABILIZER

Don't take the chance of damaging large, complex, and expensive bumpers while the components are being assembled. The Bumper Stabilizer is designed to help support bumpers safely during their repair and assembly. It attaches easily to your existing scissors stand and the six (6) adjustable anchor spots safely support today's complex, multi-piece bumpers.

(Scissors stand, table, and pad not included.)



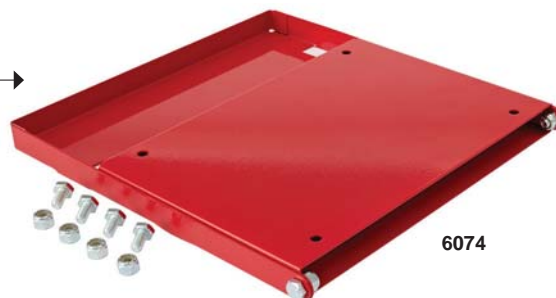
CUTTING BURRS

- 6120 3/32" Straight Burr - 1/8" dia. shank.
- 6121-T Teardrop Cutter Bit - 1/8" dia. shank.
- 6122 Heavy Duty Round Carbide Burr - 1/4" dia. shank.
- 6123 1/8" Straight Burr with End Cutters - 1/4" dia. shank.
- 6124 3/8" 90-deg V-Grooving Burr - 1/4" dia. shank.
- 6125 Heavy Duty Tapered Carbide Burr - 1/4" dia. shank.
- 6126 Tungsten Carbide Cutter, 1/8" dia. shank.
- 6134-R Round Cutter Bit - 1/8" dia. shank.
- 6135 Dremel 543 1-1/4" Carbide Cutting/Shaping Wheel - 1/8" dia. shank.
- 6407-D Drum Sander - 1/8" dia. shank.
- 6408-B Replacement Sanding Bands



WELDING ACCESSORIES

- 2045W Wire Mesh - one 10" x 5" piece (50 sq. in.)
- 2045-10 Wire Mesh - ten 10" x 5" pieces (500 sq. in.)
- 2045-100 Wire Mesh - one hundred 10" x 5" pieces (5,000 sq. in.)
- 6040 Whip Hose
- 6074 Accessory Shelf
- 6124WB Stainless Steel Wire Brush - cleans welder tips
- 6140 Tip Cleaning Brush - 1/8" diameter, for 6027HT and 6029 tips
- 6141 Tip Cleaning Brush - 3/16" diameter, for 6030 tip
- 6481-1 1" Wide Aluminum Tape - 3 mil thick - 180 ft. long
- 6482 2" Wide Aluminum Tape - 3 mil thick - 10 yards
- 6485 2" Wide Aluminum Tape - 3 mil thick - 180 ft. long



DENT REMOVAL TOOLS & WELDER PARTS

DENT REMOVAL TOOLS

6148 Bumper Rollers

The bumper dent removal rollers kit consists of three heavy-duty rollers of various profiles to restore the original contours and body lines of dented plastic bumpers.

To use the rollers, simply heat the bumper until the dented area is too hot to touch and is flexible. Work the soft plastic towards the center of the original dent by using the Bumper Rollers to roll the dents out and reestablish body lines.



6450 Bumper Bag Plus

A versatile tool that works in many different areas of the body shop. Use it to take small dents out of plastic bumpers and sheet metal, adjust the fit of adjoining sheet metal panels, and even use it to cushion a jack saddle to eliminate the risk of damage to the subframe.

Made from 70,000 pound tensile strength webbing and is practically indestructible, yet soft enough to conform to the shape of whatever it is pressing up against. This allows it to take the energy of the force and prevent further damage to the area.



6500VT Heat Gun

Variable Temperature Heat Gun - perfect for reshaping distorted plastic and preheating high-temp plastics like radiator tanks.

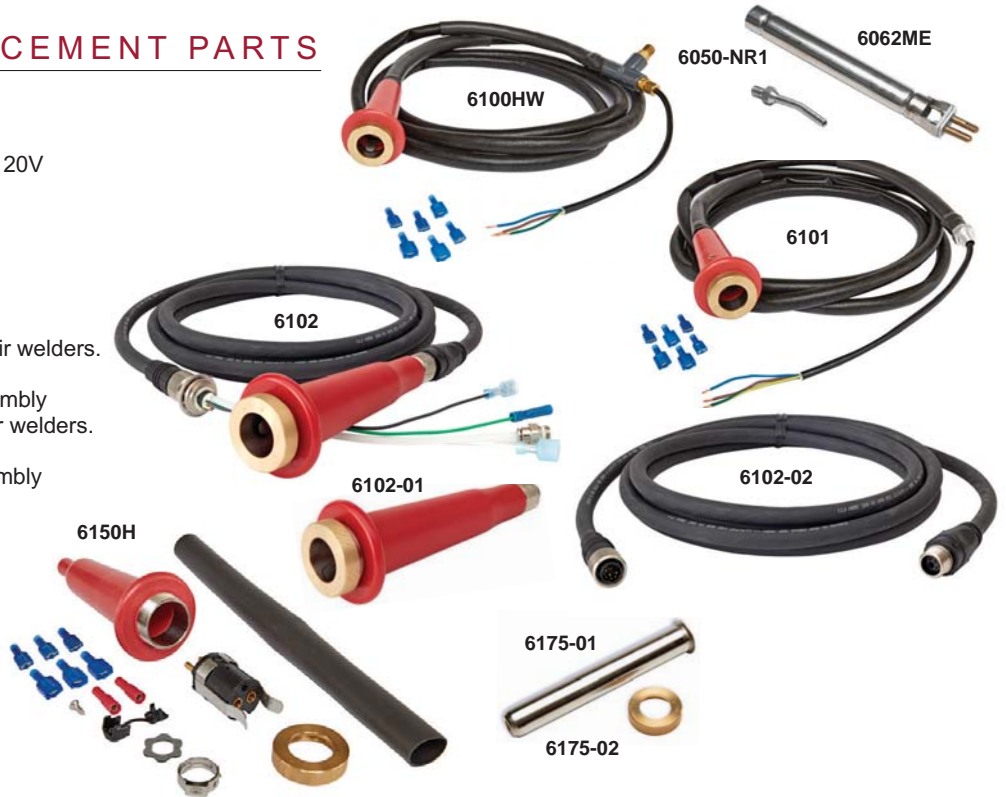
Includes fan tip, heat shrink tubing tip and case.



HOT AIR WELDER REPLACEMENT PARTS

- 6050-NR1 Hot Air All Purpose Tip
- 6062ME Hot Air Replacement Element, 550W, 120V
- 6100HW Hose & Wiring Assembly
For 6053 and earlier hot air welders, excluding the 6049 welder.
- 6101 Hose & Wiring Assembly
For 6049 and 6057 through 6085 hot air welders.
- 6102 Quick-release hose wiring handle assembly for 6049 and 6057 through 8203 hot air welders.
- 6102-01 Quick-release handle and socket assembly
- 6102-02 Quick-release hose only
- 6150H Handle & Socket Assembly
- 6175-01 Stainless Steel Barrel
- 6175-02 Barrel Retaining Nut

For other hot air welder replacement parts visit www.polyvance.com



AIRLESS REPLACEMENT PARTS

- 5500-C Retrofit Kit - Connectors for making 6012 compatible with Model 3,4, and 5 welders. (Not shown)
- 6012 200 Watt 120V Ceramic Core Replacement Element Assembly (For MiniWeld Model 6 or 7).
- 6012-P Same as 6012 with USA plug.
- 6012-240 200 Watt 240V Ceramic Core Replacement Element Assembly (For MiniWeld™ Model 6 or 7 EUR and Model 6 or 7 AUS).
- 6012-EUR 200 Watt 240V Ceramic Core Element Assembly with European Schuko plug.
- 6012-AUS Same as 6012 with Australian plug.
- 6012C 200 Watt 120V Replacement Ceramic Core for 6012 and 6012-P.
- 6012C-240 200 Watt 240V Replacement Ceramic Core for 6012-EUR and 6012-AUS.
- 6020 Temperature Control Switch For all Model 6 and 7 welders
- 6027HT Tube Welding Tip, 1/8" 1/8" dia. hole, use with 1/8" diameter round rods
- 6029 Bigfoot Welding Tip, 1/8" Large foot version of the 6027HT
- 6030 Tube Welding Tip, 3/16" 3/16" dia. hole, use with 3/16" dia. round rod
- 6031 Teardrop Welding Tip Flat tip - use with flat rod, melt in mesh, fits into corners

For the standard 1/8" diameter welding rods, choose the 6027HT or the 6029. If you're using flat sticks, choose the 6031. For 3/16" diameter round rod, use the 6030 Speed Tip. Tips thread into all of Polyvance's airless heating elements. Made in USA.

For other airless welder replacement parts visit www.polyvance.com



6012 6012-240 6012-P 6012-EUR 6012-AUS



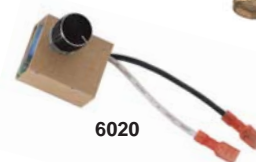
6012C 6012C-240

6012 6012-P 6012-240 6012-EUR 6012-AUS



6027HT 6030

6029 6031



6020


PLASTIC WELDING ROD

PART#	R02	01	03	BK
	Material	Rod Profile	Package Size/Qty	Color
R01	Urethane	01	01 5 ft.	BK Black
R02	Polypropylene	02	03 30 ft.	BL Blue
R03	ABS	03	04 1 lb.	GY Gray
R04	Polyethylene	04	05 Small spool	GN Green
R05	TPO	05	08 Bulk*	NT Natural*
R06	Nylon	06		OR Orange
R07	Polycarbonate	07		RD Red
R08	PPE + PS	08		TN Tan
R09	PVC			WH White
R10	FiberFlex®			YL Yellow
R12	HDPE			
R13	PET			
R14	ASA			
R15	GTX (PA + PPE)			
R16	POM			
R17	Acrylic/PVC			
R18	PP + GF15			
R19	HDPE + GF15			
R20	PC + ABS			

* Not all rod types are available in all profiles.

* Sold by the pound. (10 lb. minimum)

* No pigment added.




R01 - POLYURETHANE ROD

R01	01	03 05	NT
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R02 - POLYPROPYLENE ROD & RIBBON

R02	01	03 04	BK BL GN NT OR RD TN YL
R02	02	03 04	BK NT
R02	03	03 04	BK NT
R02	04	01 03 04	BK BL GN NT OR RD TN YL
R02	05	03 04	BK NT
R02	06	03 04	BK NT
R02	07	03 04	NT BK
R02	08	03 04	NT BK




R03 - ABS ROD

R03	01	03 04	BK WH
R03	04	03 04	WH



R04 - POLYETHYLENE ROD

R04	01	03 04	BK BL GN NT OR RD TN YL
R04	02	03 04	NT BK
R04	04	01 03 04	BK BL GN NT OR RD TN YL
R04	05	03 04	NT



R05 - TPO ROD

●	R05	01	03 04	GY	—	R05	04	03 04	GY
					—	R05	05	03 04	GY



R06 - NYLON ROD

●	R06	01	03	NT	—	R06	04	03 04	NT
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R07 - POLYCARBONATE ROD

●	R07	01	03 04	NT	—	R07	04	03 04	NT
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R08 - PPE + PS ROD

●	R08	01	03 04	BK
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R09 - PVC ROD

●	R09	01	03 04	GY	—	R09	04	03 04	GY
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R10 - FIBERFLEX ROD

●	R10	02	03 04	BK	—	R10	04	03 04	BK
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R11 - PBT

●	R11	01	03 04	BK
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R12 - HDPE ROD

●	R12	01	03 04	BK BL GN NT OR RD TN YL	—	R12	04	01 03 04	BK BL GN NT OR RD TN YL
					—	R12	05	03 04	NT



R13 - PET ROD

●	R13	01	03 04	NT
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PLASTIC WELDING ROD, CLEANERS, & ADHESION PROMOTERS

R14 - ASA ROD



R15 - GTX ROD (PA + PPE)



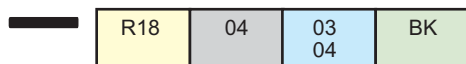
R16 - POM (Polyoxymethylene)



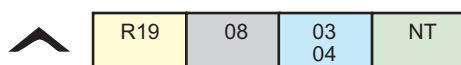
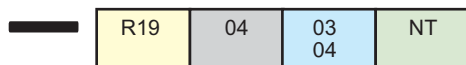
R17 - ACRYLIC/PVC (Kydex®)



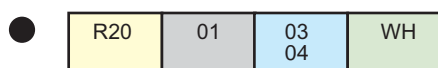
R18 - PP + GF15



R19 - HDPE + GF15

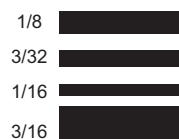


R20 - PC + ABS



5010 SHEETS - PLASTIC WELDING

5010-1	10" x 10" x 1/8" sheet	Polypropylene	Black
5010-2	10" x 10" x 3/32" sheet	Polypropylene	Natural
5010-3	10" x 10" x 1/16" sheet	Polypropylene	Natural
5010-4	10" x 10" x 3/16" sheet	LDPE	Natural



WELDING ROD ORGANIZER BOXES

- 5003-01 Single empty box
- 5003-02 three labeled empty boxes
- 5003-03 three labeled boxes with welding rod



5003-01



5003-02



5003-03

CLEANING PRODUCTS

Super Prep Plastic Cleaner

1000-1	1 gal. can
1000-4	1 qt. can
1000-A	19 fl. oz. aerosol

Before doing any sort of plastic repair, use Super Prep Plastic Cleaner to maximize its durability. Super Prep removes mold release agents, wax, grease, silicone, tar, undercoating, bugs, sealers and other contaminants from painted or unpainted plastic or metal surfaces.



EcoPrep Plastic Cleaner

1001-4	1 qt. bottle with sprayer
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EcoPrep is a unique blend of surfactants formulated to remove mold release agents, wax, grease, silicone, tar, and other contaminants from plastic and metal surfaces. It leaves the surface clean and ready for the next step in the painting or repair process. With 0 g/L VOCs, EcoPrep can be safely used in stringent air quality managed regions. It's a more environmentally friendly substitute for Super Prep Plastic Cleaner without sacrificing performance.



NO VOC

PLASTIC MAGIC ADHESION PROMOTER

1050-1	1 gal. can
1050-4	1 qt. can
1050-A	19 fl. oz. aerosol

Plastic Magic works like magic to eliminate the paint peeling problems on automotive plastics. There is no need to identify the type of plastic. Plastic Magic works on TPO and all other problem plastic inside or outside the vehicle.



LOW VOC PLASTIC MAGIC ADHESION PROMOTER

1051-1	1 gal. can
1051-4	1 qt. can

Low VOC Plastic Magic works like magic to eliminate paint peeling problems on automotive plastics. It is used in the same way as regular Plastic Magic, making the switch to the low VOC version easy. Low VOC Plastic Magic works on TPO, polypropylene and all other automotive plastics by making the substrate more receptive to adhesion so paint will stick. Just because it's low VOC, doesn't mean it sacrifices performance. Low VOC Plastic Magic works great, just like the original!



LOW VOC

FILLER PREP ADHESION PROMOTER

1060FP	4 fl. oz.
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Filler Prep adhesion promoter helps filler stick to plastic. It's necessary when applying fillers to TPO and polypropylene parts, like most late model bumper covers. Each can has a brush on the lid and is ready to use.



FILLERS, PRIMERS, & COLOR COAT

FLEX FILLER 2 EPOXY ADHESIVE-FILLER

2000-T 10 fl. oz. squeeze tube kit (two 5 fl. oz. tubes)
2000-C 20 fl. oz. cartridge kit (two 10 fl. oz. cartridges)

Flex Filler 2 can be used to repair both OEM and aftermarket flexible plastic parts. This repair material works on almost any flexible plastic substrate. Flex Filler 2 will feather nicely in 15 minutes and can be primed and painted over in 30 - 45 minutes after application at room temperature. Allow more cure time and use 1060 Filler Prep on TPO or PP substrates. Gray in color. 1:1 mix ratio.



SMC HARDSET EPOXY ADHESIVE-FILLER

2020-T 10 fl. oz. squeeze tube kit (two 5 fl. oz. tubes)

SMC Hardset Filler is a two-part epoxy system that is very rigid when fully cured. It works on SMC, fiberglass, polycarbonate, and any other repair application that requires a rigid, high-impact resistant repair material. It has a working time of 3-4 minutes and will sand in 15 minutes. Gray in color. 1:1 mix ratio.



POLYESTER FILLERS

1047 Putty Flex

Putty Flex is an easy-sanding, flexible polyester glaze perfect for filling minor imperfections on semi-rigid PP and TPO bumpers. Compared with other popular brands, Putty Flex meets or beats the competition in adhesion, sandability and ease of use. On difficult plastics like TPO and PP, it feathers extremely well when used with 1050 Plastic Magic Adhesion Promoter. Putty Flex can also be used on hard plastics and metal parts with no special treatment. Includes cream hardener.

2050-9 Padded Dash Filler, 8 fl. oz. can

Catalyzed polyester glaze designed for filling gouges in padded dashboards. Includes cream hardener.



BUMPER & CLADDING COAT™ ADHESION PRIMER

3601-1 Light Gray, gallon	3601-4 Light Gray, quart	3601-A Light Gray, 11 oz. aerosol
3602-1 Dark Gray, gallon	3602-4 Dark Gray, quart	3602-A Dark Gray, 11 oz. aerosol
3604-1 White, gallon	3604-4 White, quart	3604-A White, 11 oz. aerosol

Bumper & Cladding Coat Adhesion Primer is an advanced, solvent-based coating designed to allow your automotive base-clear topcoat system to stick to unprimed TPO, TEO, and PP plastic bumpers. Bumper & Cladding Coat Adhesion Primer sticks tenaciously to unsanded, unscuffed, raw olefin-based bumpers from Toyota, Nissan, and other manufacturers. Once the Adhesion Primer is dry, it can be topcoated with all non-catalyzed solvent-base, base-clear systems without scuffing or sanding. (6.3 lb/gal VOC, compliant with EPA national rules.)



BUMPER & CLADDING COAT™ LOW VOC ADHESION PRIMER

3611-1 Light Gray, gallon	3611-4 Light Gray, quart	3611-A Light Gray, 11 oz. aerosol
3612-1 Dark Gray, gallon	3612-4 Dark Gray, quart	3612-A Dark Gray, 11 oz. aerosol
3613-1 White, gallon	3613-4 White, quart	3613-A White, 11 oz. aerosol

Bumper & Cladding Coat Adhesion Primer is an advanced, low-VOC, solvent-based coating designed to allow your automotive base-clear topcoat system to stick to unprimed TPO, TEO, and PP plastic bumpers. Bumper & Cladding Coat Adhesion Primer sticks tenaciously to unsanded, unscuffed, raw olefin-based bumpers from Toyota, Nissan, and other manufacturers. Low-VOC Bumper & Cladding Coat Primer has a non-closing topcoat window, it sprays smoother than the higher VOC formula, and can be topcoated with all non-catalyzed solvent-base and waterborne base-clear systems without scuffing or sanding the plastic. The low VOCs mean it's legal to use in all 50 states and Canada. (2.09 lb/gal VOC)



LOW VOC

BUMPER & CLADDING COAT™ COLOR COAT

3701-1 Black, gallon	3701-4 Black, quart	3701-A Black, 11 oz. aerosol
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Low VOC Bumper & Cladding Coat Color Coat makes it easy for mobile technicians, detailers, and do-it-yourselfers to permanently recolor textured automotive bumpers and trim. Bumper & Cladding Coat Color Coat is designed to stick with sanding or pretreatment to polypropylene and TPO plastic bumpers and trim. Simply clean the part with 1000 Super Prep™ Plastic Cleaner, then spray on Bumper and Cladding Coat Color Coat. It will not peel, fade or wash off the trim plastic found on many of today's cars, trucks, and SUVs. (2.79 lb/gal VOC)



LOW VOC

PRIMERS AND TEXTURE MATERIALS

ALL SEASONS E-Z SAND PRIMER SURFACER

3041-5	E-Z Sand Light Gray Primer Surfacer	5 gal. pail
3041-1	E-Z Sand Light Gray Primer Surfacer	1 gal. can
3041-4	E-Z Sand Light Gray Primer Surfacer	1 qt. can
3042-5	E-Z Sand Black Primer Surfacer	5 gal. pail
3042-1	E-Z Sand Black Primer Surfacer	1 gal. can

Polyvance's ALL SEASONS E-Z Sand is a waterborne primer surfacer for use on repaired plastic bumpers and metal panels. The high-build formula hides 180 grit scratches in one pass and is compatible with all automotive topcoat systems. ALL SEASONS E-Z Sand is 1K and ready to spray out of the can, so it's easy to use and totally eliminates wasted paint. ALL SEASONS E-Z Sand has super-low VOCs, so it's safer for technicians and better for the environment.



ALL SEASONS BLACK JACK PRIMER SURFACER

3043-5	Black Jack Waterborne Primer Surfacer, black	5 gal. pail
3043-1	Black Jack Waterborne Primer Surfacer, black	1 gal. can
3043-4	Black Jack Waterborne Primer Surfacer, black	1 qt. can

3043 Black Jack is an easy-to-sand, fast-drying, freeze-tolerant, medium-sheen, high-build waterborne primer surfacer formulated to fill imperfections in repaired plastic bumpers quickly and dry to an OEM-like satin finish. Black Jack may be catalyzed with 3104, but even uncatalyzed it exceeds competitive catalyzed waterborne primers' durability, water resistance, and solvent resistance.



ALL SEASONS WATERBORNE SEALER

3050-1	Flexible Waterborne Sealer, white	1 gal. can
3050-4	Flexible Waterborne Sealer, white	1 qt. can
3051-1	Flexible Waterborne Sealer, gray	1 gal. can
3051-4	Flexible Waterborne Sealer, gray	1 qt. can
3052-1	Flexible Waterborne Sealer, black	1 gal. can
3052-4	Flexible Waterborne Sealer, black	1 qt. can



LOW VOC

3050 Series ALL SEASONS Sealer is a fast-drying, freeze-tolerant sealer formulated to change the chroma of new, primed OEM and aftermarket plastic bumpers for better topcoat hide. May also be used over raw PUR bumpers as a primer/sealer. ALL SEASONS Sealer has very good water and solvent resistance out of the can, but may be catalyzed with 3104 cross-linker for ultimate performance. ALL SEASONS sealers may be intermixed to obtain a shade suitable for the top-coat color being applied. Compatible with all topcoat systems. Meets all current VOC regulations.

FLEXTEX VT TEXTURE MATERIAL

3804-1	1 gallon can
3804-4	1 quart can
3804R-4	Low VOC Reducer - 1 quart can



Flextex VT is a tough, durable, variable-texture material formulated to simulate textured automotive plastics and metal. It can be used over or under most finishes and may be top-coated with Bumper & Cladding Coat™ Color Coat paint, base/clear or single stage systems. Flextex VT has excellent durability and may be used as the finish coat where black texture is required. The texture may be varied from fine to coarse by adjusting the viscosity, paint volume, air pressure, distance, and speed of the pass.

50 state VOC compliance. (2.74 lb./gal. VOC)



coarse



medium



fine

PLASTIFIX[®] KITS

- 2501 White Small PlastiFix[®] Kit
- 2503 Black Small PlastiFix[®] Kit
- 2504 Clear Small PlastiFix[®] Kit

PlastiFix is a revolutionary methacrylate monomer adhesive system that allows you to fill gaps and fabricate missing pieces. Repairs virtually any rigid plastic including ABS, PC, PVC, PA, PET, SMC, and fiberglass. Also works on wood, metal, or glass. Each kit includes 30 g of powder, 50 ml of liquid, one molding bar, two application needles, two applicator cups, and one transfer pipette.



2501

2503

2504

- 2502 Professional PlastiFix[®] Kit

Ideal for the volume user, the Professional PlastiFix Kit includes 150 g of both black and white powder, 230 ml of liquid, three FlexMold molding bars, four application needles, two powder cups, two applicator bottles and one large liquid transfer pipette. All components come packaged in a convenient plastic carrying case.

*All components available separately



- 2510 PlastiFix[®] High Performance Adhesive

PlastiFix High Performance Adhesive is a two-component, 100% reactive structural methacrylate adhesive specifically formulated for bonding thermoplastics, thermosets, metals, and composite assemblies. Includes (2) 2510-01 mixer tips.



- 2042-R Saturation Roller - Use to fully wet the fibers of the 2043-U Uni-Cloth fiberglass cloth when reinforcing epoxy repairs.

- 2043-U Uni-Cloth - Woven fiberglass cloth (9 sq. ft.) for reinforcing repairs on SMC and other rigid plastics using PlastiFix or 2020 SMC Hardset Filler.



KENWORTH HOOD REPAIR KITS

KEN T800 Kenworth T800 Hood Repair Kit
Complete kit for repairing torn out Kenworth T800 hood strut support pockets.

KENW900R Kenworth W900 Hood Repair Kit
(For W900 hood with round pockets)

KENW900S Kenworth W900 Hood Repair Kit
(For W900 hoods with squar pockets)

All Kenworth repair kits include:

One pair of aluminum hood pocket reinforcement plugs.
One pair of steel reinforcement plates.
PlastiFix® High Performance Acrylic Adhesive
All of the required nuts, bolts, rivets, washers, and screws.



INSTRUCTIONAL RESOURCES

BOOK "How to Repair Plastic Bodywork"

If you want all of the tricks, tips and techniques of automotive and motorcycle plastic repair, buy this 144 page book. Topics include plastic welding, two-part adhesive, Insta-Weld, and PlastiFix® repair techniques in extensive detail. It also provides complete information regarding plastic refinishing. This is the bible of plastic repair and refinishing!



I-CAR® APPROVED CLASSES

Polyvance courses are recognized under the I-CAR® Industry Training Alliance® program. Students who complete this approved training are eligible to apply for I-CAR® credit hours and/or Knowledge Area recognition.

EPR-01 Estimating Repair Course
A self-paced online learning course that teaches how to estimate the time and cost of repairing automotive plastic components.

PR-01 Intro to Nitrogen Plastic Welding I-CAR® Industry Training Alliance® Course
This three hour long, hands-on course is delivered live in your shop. It is designed to train technicians in the latest technology in plastic repair, nitrogen plastic welding. Three (3) I-CAR® credits.

PR-02 Plastic Repair and Refinishing Course
Two day bumper repair class at the Polyvance factory includes everything in PR-01 plus dent repair, textured bumper repair, damage analysis and refinishing. Thirteen (13) I-CAR® credits.

PR-03 Headlight Repair Course
A self-paced online learning course that teaches broken headlight tab repair and refinishing. One (1) I-CAR® credit.

PR-04 One Day Plastic Repair and Refinishing Course
A full day of hands-on plastic repair training at your location by a Polyvance trained instructor. Seven (7) I-CAR® credits.



Since the advent of urethane bumper covers in the 1970's, automotive plastics have presented a special challenge to the collision repair technician. Polyvance introduced the Mini-Weld™ airless plastic welder in 1981, the industry's first tool designed to repair thermoset polyurethane bumper covers. Since that time, Polyvance has stayed on the forefront of plastic repair technology thanks to its exclusive focus on this market niche.



Within the pages of this catalog you will find the world's most comprehensive selection of automotive plastic repair and refinishing products -- FiberFlex® universal repair rod, PlastiFix® rigid plastic repair system, Bumper & Cladding Coat™ Adhesion Primer, and now the Nitro-Fuzer® line of nitrogen plastic welders -- all innovations borne from Polyvance's dedication to solving plastic repair and refinishing challenges.



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