



NAR PPF Film

No. 26, Xinhua Rd, Pudong District, Shanghai, China, 201314

Tell: 8613816130247 E-Mail: ppf.nar.com.cn



NAR[®]PPF

NARPPF aims to Create high-quality PPF film for end users and create a better future for partners

NAR[®] PPF

"NAR PPF", as a high-end car body paint protection film brand under the NAR , adopts the eighth-generation hydrogen bond patented coating technology, has extremely high hardness, can resist deformation, and scratches, and has Automatic repair, anti-oxidation function, and strong resistance to yellowing.



NAR INTRODUCE

Shanghai NAR Industrial Co., Ltd. was established at the end of 2002. With its scientific governance structure, efficient supply chain management, and continuous pursuit of innovation, it has helped more than 90 companies, worldwide Customers in various countries and regions provide stable quality products and reliable services.

NAR PPF" is a transparent and invisible protective film installed on the car paint surface, It has scratch repair function and scratch concealment function, as well as self-cleaning function. The base material is TPU thermoplastic polyurethane. It adopts nano-level injection metal self-cleaning patented double coating technology. It is a completely invisible paint surface protective film .





R&D TEAM

dust-free workshop

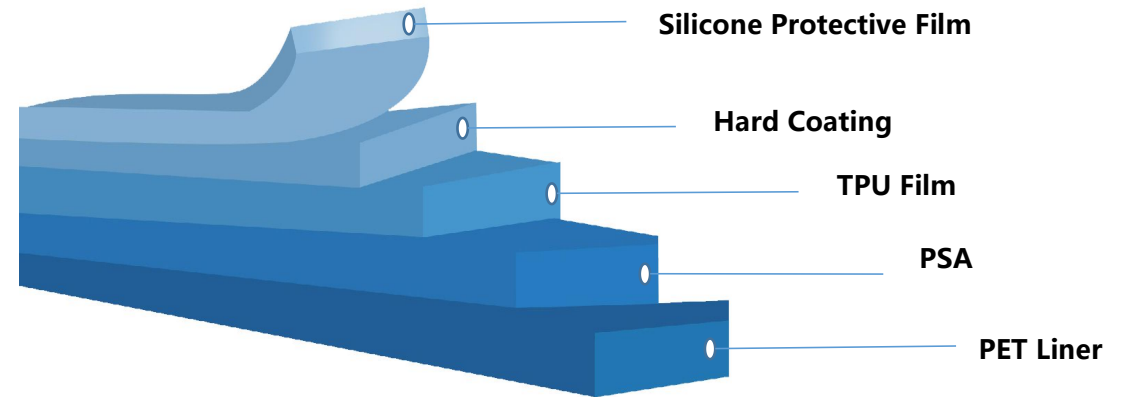


Based on the research and development strength of the Functional Material System Innovation Research Institute , NAR PPF products have a number of patented functional film technologies, and through large-scale and lean production, high-quality paint protection is provided for end users , create a great future for partners.



CORE TECHNOLOGY FOR PPF

Resist Film	New generation protective film, low surface static electricity; all-round protection, avoid objective damage, ensure the quality of the original factory
Top Coating	After secondary surface passivation treatment, the coating has super-permeability, prevent water stains, extinction, scratch repair memory function
Original Film	Adopt imported American base material aliphatic type TPU, yellow resistance and puncture resistance are the top level in the industry
PSA	American permanent removable PSA, low initial adhesion and high holding adhesive layer, less rubber lines, easy to install and corner wrap
Detached Film	A new generation of detached film materials can better increase the release force of PET film and make it achieve extremely light and stable release force.



Product Type	Sunroof TPU	TPH	TPU
Material Composition	Aliphatic Thermoplastic Polyurethane	Polyvinyl Chloride	Aliphatic Thermoplastic Polyurethane
Stability	5-7 years	2-3 years	5-10 years
Scratch Resistant	Excellent Protection	Elastic General Protection	Excellent Elasticity Excellent Protection
Elongation	Excellent	Good	Excellent
Temperature resistance	-48°C~160°C	-25°C~80°C	-48°C~160°C
Environmental Protection	Degradable, No Security Risk	Non Degradable, Plasticizer Decomposition Risk	Degradable, No Security Risk

Product Features

Multiple protection to protect your car

Excellent Weatherability



No discoloring by UV, Sunlight
No damage by acid rain
Stable under wide temperature range

Self-Healing



Anti-scratch and self-healing mechanism equipped

Stability against Chemical Attacks



No deformation or corrosion by deicing chemicals, organic solvent and petroleum pitch,.



Superior Resistance against Water Stain and Dirt



Dense coating structure prevents penetration of water scale and dirt

Stable Adhesion



Strong adhesive strength can effectively prevent No edge lifting problem

Environmentally Friendly



No side effects found on paint, body and nature

High Glossiness



Precise coating control provides uniform coating surface



PPF Series

Multiple product lines



Transparent PPF



Colorful Light PPF



Black PPF



Clear Matte PPF



Black Matte PPF



Sunproof Film

NAR PPF Series

Diamond Series

Instant Self Healing

Unrivaled scratch and stain resistance, no need heating, healing in 3 seconds, durable and tough



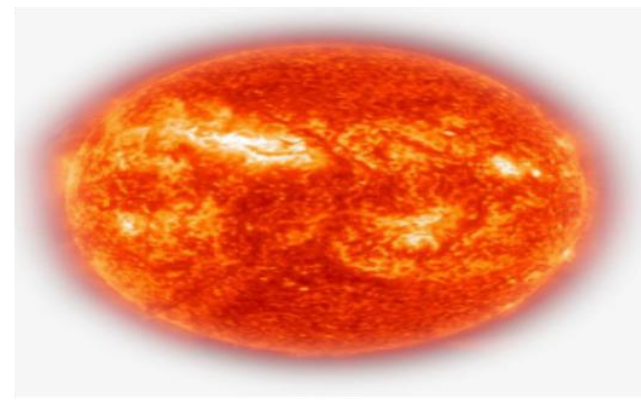
Anti-Scratch	*****	Super
Room Self healing	*****	Super
Heating for healing		no need
Coating Elongation	*****	>125%
Anti-Yelloish	***	Middle
Anti-Chemical	***	Middle

Suggests for temperate, frigid zones

Solar Series

Heating Self Healing

Perfect anti Chemical and Anti yelloish performance, heating or sunshine could recover easily



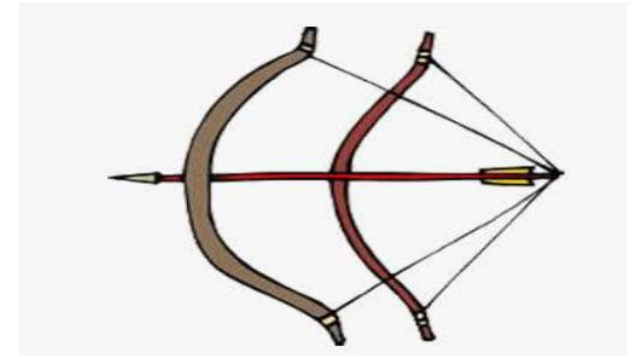
Anti-Scratch	***	Middle
Room self healing		no need
Heating for healing	*****	Super
Coating Elongation	*****	>110%
Anti-Yelloish	*****	Super
Anti-Chemical	*****	Super

Suggests for tropics, temperate zones

Archer Series

Room Self Healing

Unrivaled scratch and stain resistance, no need heating, super elongation for easy wrapping feeling



Anti-Scratch	*****	Super
Room self healing	****	Great
Heating for healing		no need
Coating Elongation	*****	>170%
Anti-Yelloish	***	Middle
Anti-Chemical	***	Middle

Suggests for temperate, frigid zones

Diamond Serial --Instant Self Healing PPF



TPUPPF GD150(6.3mil)
3 years Outdoor Durability

TPUPPF GD180(7.3mil)
3-5 years Outdoor Durability

TPUPPF GD210(8.3mil)
5 years Outdoor Durability

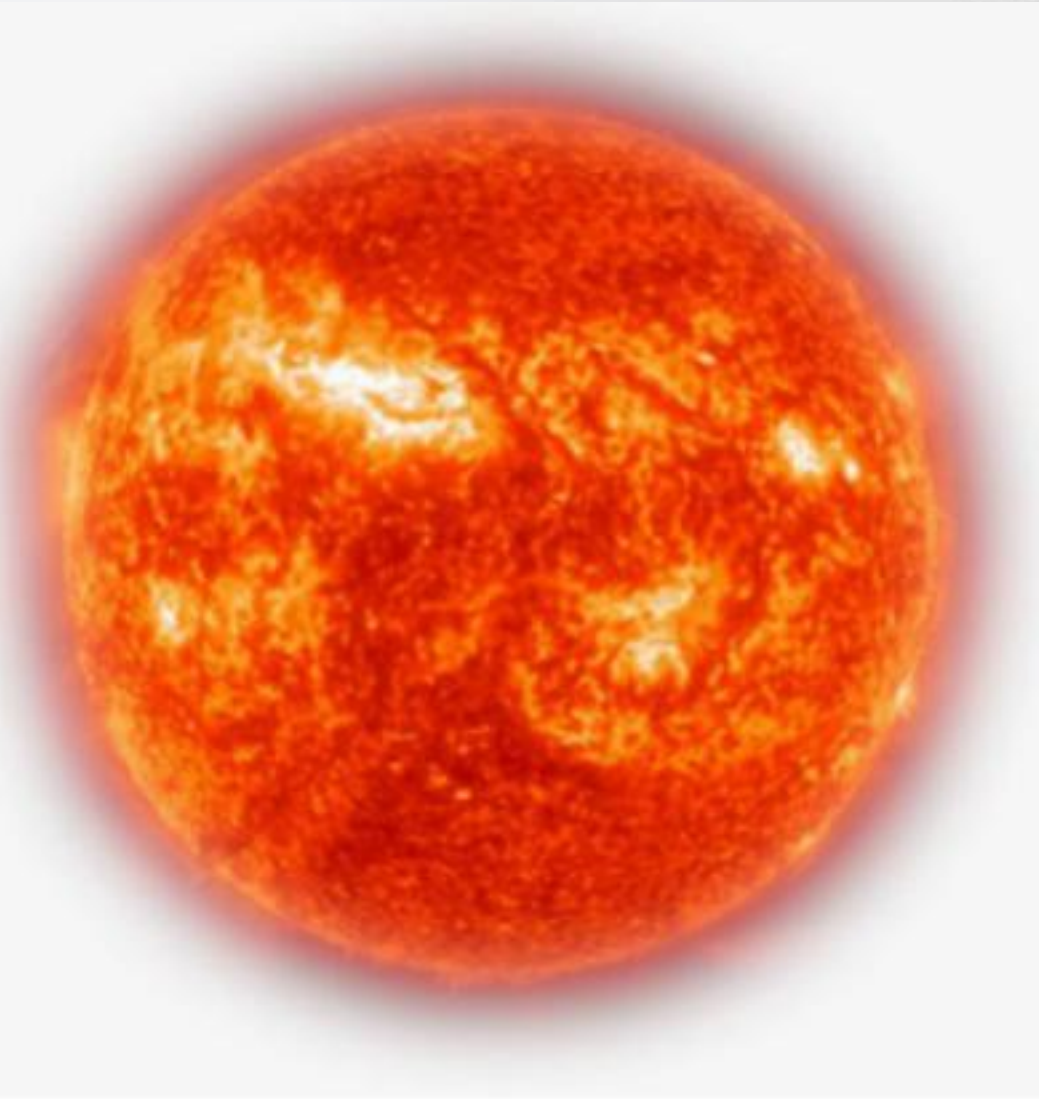


Diamond Serial --Instant Self Healing

GD150 & GD180 & GD210

		GD150	GD180	GD210
Advantageous Characteristics		Cost Effective	instant healing	Thicker and more protective
Physical Properties	Film Thickness	6.3mil	7.3mil	8.3mil
	Elongation Rate at Break (Hard Coating/MD)	120~140 (%)	120~140 (%)	130~150 (%)
	Glossy(60deg)	91%	92%	93%
	Peel Adhesion	≤0.35 (N/25mm)	≤0.35 (N/25mm)	≤0.35 (N/25mm)
	24h, 180°Peel	≥10 (N/25mm)	≥12 (N/25mm)	≥12 (N/25mm)
Aesthetic Impression	Transmittance	★★★	★★★★	★★★★
	Brightening sensation	★★★	★★★★	★★★★
	Surface uniformity	★★★	★★★★	★★★★
Durability	Yellowing resistance	ΔE < 1	ΔE < 1	ΔE < 1
	High temperature resistance	ΔE < 2	ΔE < 2	ΔE < 2
	Water spot resistance	★★★	★★★	★★★★
	Dirt resistance	★★★	★★★★	★★★★
Installation Ability	Edge wrapping ability	★★★	★★★	★★★★
	Hydrophobic property	★★★	★★★	★★★★
Surface Function	Instant Self-healing	★★★★	★★★★★	★★★★★
	Heat Self-healing	~	~	~
	Anti-scratch	★★★★	★★★★	★★★★★
	Anti-penetration	★★★	★★★★	★★★★★
	Anti-chemical	★★★	★★★	★★★
Warranty		3 years	3-5 years	5 years

Solar Serial --Heating Healing PPF



TPU PPF GH150(6.3mil)
3 years Outdoor Durability



TPU PPF GH180(7.3mil)
5 years Outdoor Durability



TPU PPF GH210(8.3mil)
7 years Outdoor Durability



TPU PPF GH230(10mil)
10 years Outdoor Durability

Solar Serial --Heating Self Healing

GH150 & GH180

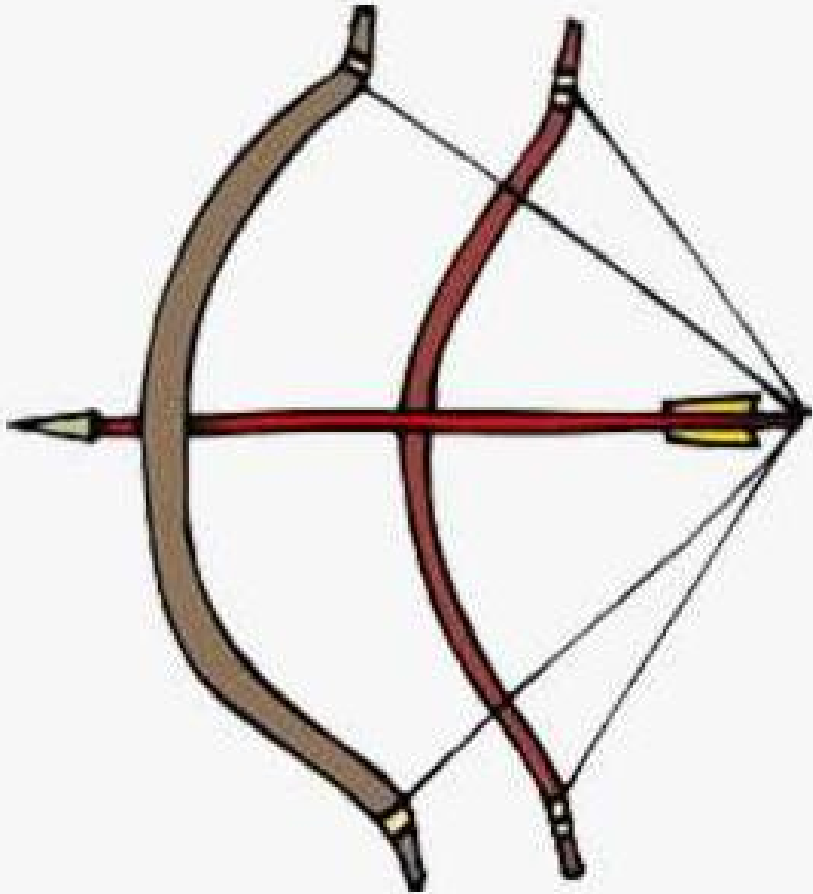
		GH150	GH180
Advantageous Characteristics		Cost Effective	Easy installation
Physical Properties	Film Thickness	6.3mil	7.3mil
	Elongation Rate at Break (Hard Coating/MD)	110~130 (%)	110~130 (%)
	Glossy(60deg)	91%	92%
	Peel Adhesion	≤0.35 (N/25mm)	≤0.35 (N/25mm)
	24h, 180°Peel	≥10 (N/25mm)	≥15 (N/25mm)
Aesthetic Impression	Transmittance	★★★	★★★★
	Brightening sensation	★★★	★★★★
	Surface uniformity	★★★	★★★★
Durability	Yellowing resistance	$\Delta E < 1$	$\Delta E < 1$
	High temperature resistance	$\Delta E < 1$	$\Delta E < 1$
	Water spot resistance	★★★	★★★★
	Dirt resistance	★★★	★★★★
Installation Ability	Edge wrapping ability	★★★	★★★
	Hydrophobic property	~	~
Surface Function	Instant Self-healing	~	~
	Heat Self-healing	★★★★	★★★★★
	Anti-scratch	★★	★★★★
	Anti-penetration	★★★	★★★★
	Anti-chemical	★★★★	★★★★
Warranty		3 years	5 years

Solar Serial --Heating Self Healing

GH210 & GH230

		GH210	GH230
Advantageous Characteristics		Super Great in Anti-scratch	High Glossy Strong Stretch
Physical Properties	Film Thickness	8.3mil	10mil
	Elongation Rate at Break (Hard Coating/MD)	90~110 (%)	90~110 (%)
	Glossy(60deg)	94%	94%
	Peel Adhetion	≤0.35 (N/25mm)	≤0.35 (N/25mm)
	24h, 180°Peel	≥15 (N/25mm)	≥15 (N/25mm)
Aesthetic Impression	Transmittance	★★★★	★★★★
	Brightening sensation	★★★★★	★★★★★
	Surface uniformity	★★★★	★★★★
Durability	Yellowing resistance	Δ E < 1	ΔE < 1
	High temperature resistance	ΔE < 1	ΔE < 1
	Water spot resistance	★★★★	★★★★
	Dirt resistance	★★★★	★★★★
Installation Ability	Edge wrapping ability	★★★★	★★★★
	Hydrophobic property	~	~
Surface Function	Instant Self-healing	~	~
	Heat Self-healing	★★★★★	★★★★★
	Anti-scratch	★★★	★★★
	Anti-penetration	★★★★	★★★★
	Anti-chemical	★★★★★	★★★★★
Warranty		7 years	10 years

Archer Serial ---Room Self healing



TPU PPF **GA180**(7.3mil)

3 to 5 years Outdoor Durability

TPU PPF **GA210**(8.3mil)

5 years Outdoor Durability

Archer Serial ---Room Self healing

GA180& GA210

		GA180	GA210
Advantageous Characteristics		Super Great in Anti-scratch	High Glossy Strong Stretch
Physical Properties	Film Thickness	7.3mil	8.3mil
	Elongation Rate at Break (Hard Coating/MD)	180~200 (%)	170~190% (%)
	Glossy(60deg)	94%	94%
	Peel Adhesion	≤0.35 (N/25mm)	≤0.35 (N/25mm)
	24h, 180°Peel	≥15 (N/25mm)	≥15 (N/25mm)
Aesthetic Impression	Transmittance	★★★★	★★★★
	Brightening sensation	★★★★★	★★★★★
	Surface uniformity	★★★★	★★★★
Durability	Yellowing resistance	ΔE < 1	ΔE < 1
	High temperature resistance	ΔE < 2	ΔE < 2
	Water spot resistance	★★★★	★★★★
	Dirt resistance	★★★★	★★★★★
Installation Ability	Edge wrapping ability	★★★★	★★★★
	Hydrophobic property	★★★★	★★★★
Surface Function	Instant Self-healing	★★★★	★★★★
	Heat Self-healing	★★★	★★★
	Anti-scratch	★★★★★	★★★★★
	Anti-penetration	★★★★	★★★★★
	Anti-chemical	★★	★★
Warranty		3-5 years	5 years

SPECIAL PPF

TPH PPF

Feature

- Anti-chipping
- Excellent High Glossiness
- Anti-fouling
- Self-Healing
- Anti-oxidation
- Scratch resistance
- No residual glue



Matte PPF

Feature

- Elegant Sense (Toned Down)
- Cover scratches
- Aesthetic effect
- Prevent paint aging
- Prevent high-speed stone collision



Color PPF

Feature

- Cool Sense
- Prevent scratching
- Excellent glossiness
- Prevent high-speed stone collision
- Prevent paint aging



Sunroof PPF

Feature

- Scratch self-healing
- super anti-fouling
- UV blocking: 99%
- Infrared blocking: 92%
- Visible light transmittance: 70%





THANKS FOR YOUR VIEW