

POWDER

ALC
TERMOADESIVI

Italian innovation

YOTEX
THERMO

**Bonding
Beyond
Boundaries**



Version 24.1

ABOUT US

Welcome to ALC Termoadesive, where innovation meets excellence! At ALC Thermo Adhesive Journey, we take pride in our expertise in the niche adhesive industry. We are a specialty adhesive company, bringing you the next generation of revolutionary adhesive solutions.



Our technologically advanced and environment-friendly adhesive solution answers your adhesive needs. These thermo adhesives are available in granules, powder, film, web & net form. With a specified heat and pressure, they melt between two surfaces and bond them.



Our commitment to excellence is reflected in our product, which is not only highly effective but also eco-friendly. We understand the importance of sustainability and strive to reduce our environmental impact.



At ALC Thermo Adhesive Journey, we believe that innovation should never come at the cost of our planet. We are excited to embark on this journey and provide you with the best adhesive solutions.



Our team of experts is always ready to assist and guide you in choosing the suitable adhesive for your needs. With ALC Thermo Adhesive Journey, you can be assured of quality, reliability, and sustainability. Join us on this journey of innovation today!

360° SOLUTION IN THERMO ADHESIVE



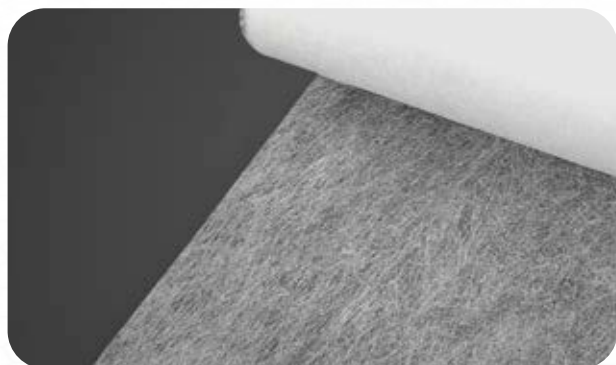
POWDER & GRANULES

CO-POLYAMIDE | CO POLYESTER
THERMOPLASTIC POLYURETHANE
PBS | POLYOLEFIN | EPOXY RESIN



FILM

POLYOLEFIN | CO POLYESTER
CO-POLYAMIDE
THERMOPLASTIC POLYURETHANE



WEB

POLYOLEFIN | CO POLYESTER
CO-POLYAMIDE
THERMOPLASTIC POLYURETHANE



NET

CO-POLYAMIDE
| PBS - BIODEGRADABLE | NET

THERMO ADHESIVE POWDER



CO POLYAMIDE



CO POLYESTER













**THERMOPLASTIC
POLYURETHANE**















**PBS
BIODEGRADABLE**

Reference	Melting Range Dsc (°C)	Mfi (160°C/2.16kg) (190°C/2.16kg)	Dry Cleaning Resistance	Washing Resistance (°C)	Particle Size	Main Market	Properties
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CO POLYAMIDE

PA A01	105-132	42**	Good	60	0-80, 80-200, 200-500	  	Good adhesion & dry cleaning resistance, cost effective.
PA A02	120-140	27**	Excellent	90	0-80, 80-200, 200-500	  	Excellent bonding & laundry resistance, suitable for enzyme wash & garment dyeing.
PA A05	75-80	150**	Good	90	0-80, 80-200, 200-500	   	Low melting suitable for oily leather application.







CO POLYESTER

PES A01	105-120	28**	Good	40	0-80, 80-200, 200-500	  	Good bonding strength and dry cleaning and laundry resistance.
PES A05	90-100	110**	Fair	40	0-80, 80-200, 200-400, 400-500	  	Good bonds with low melting point, suitable for bonding with heat sensitive material.
PES A06	110-125	25**	Good	60	0-80, 80-200, 200-500	  	Good bonding strength, laundry resistance and plasticizer resistance.
PES A14	105-145	25**	Good	90	0-80, 80-200, 200-500	  	Good bonding strength, laundry resistance and plasticizer resistance.

THERMOPLASTIC POLYURETHANE

TPU A01	95-115	15**	Good	60	0-80, 80-200, 120-200, 200-500	   	Low temperature powder, soft and excellent elasticity.
TPU A02	95-105	25**	Good	90	0-63, 80-200, 120-250, 200-500	  	It has low melting point, excellent touch feel, good transparency, good bending resistance, low temperature resistance and good flexibility.
TPU A03	108-118	25**	Good	90	0-80, 80-200, 120-250, 200-500	  	It has high bonding strength, softness, elasticity, DTF printing.
TPU A03-M	108-118	30**	Good	90	0-80, 80-200, 100-200	  	It has softness, elasticity and excellent laundry resistance.
TPU A04-M	126-136	20**	Good	90	0-80, 80-200, 200-500	  	It has softness, elasticity and excellent laundry resistance.

PBS - BIODEGRADABLE

PBS A01	110-120	1500**	-	40	0-80, 80-200, 200-500	   	This is newly developed product based on 100% biodegradable raw material, our grades have higher MFI to be used in various application.
PBS A02	83-89	25**	-	40	0-80, 80-200, 200-500	   	This is newly developed product based on 100% biodegradable raw material, our grades have higher MFI to be used in various application.

THERMO ADHESIVE POWDER



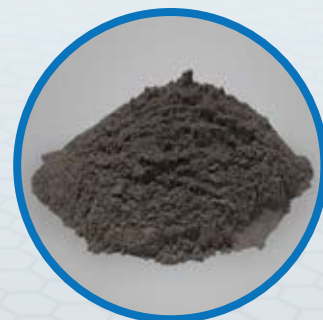
EVA



LDPE



HDPE



EPOXY RESIN

Reference	Melting Range Dsc (°C)	Mfi (160°C/2.16kg) (190°C/2.16kg)	Dry Cleaning Resistance	Washing Resistance (°C)	Particle Size	Main Market	Properties
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POLYOLEFIN

EVA A01	60-80	150*	-	40	200-400		For leather & shoe interlining, foam lamination with 28% VA content.
EVA A02	60-80	25*	-	40	200-400		For leather & shoe interlining, foam lamination with 28% VA content.
EVA A06	60-80	45*	-	40	200-400		For leather & shoe interlining, foam lamination with 33% VA content.

LLDPE A01	115-119	50*	Good	95	0-200, 0-500		Automotive application for lamination & powder dot application.
LDPE A01	104-115	70*	Good	95	0-300, 0-500		Special grade LDPE low viscosity.
LDPE A02	108-110	30*	Good	95	0-300, 0-500		Regular LDPE for lamination.

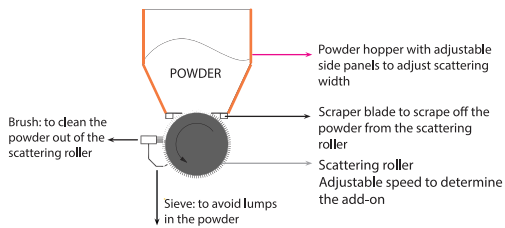
HDPE A01	127-135	20*	Good	95	0-80, 80-200, 0-500		High melting point provides a good heat resistance, used for top fuse and shirt collar
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Reference	Curing On Set DSC °C	Gel Time @180°C	Curing Peak DSC °C	Particle Size	Main Market	Main Features
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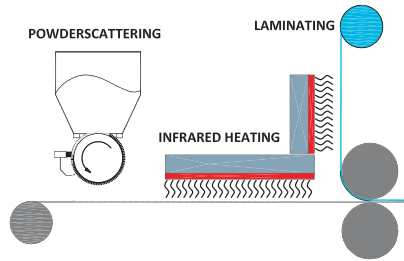
EPOXY RESIN

EP R01	115-125	45-80	160-180	0- 100, 100-500		Thermoset powder, replacement of low melt fiber.
EP M01	115-125	45-80	160-180	0- 100, 100-500		Compound with higher thermoset property.

APPLICATION METHOD – FILM | WEB | NET | POWDER



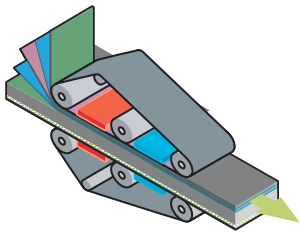
Powder scattering machine



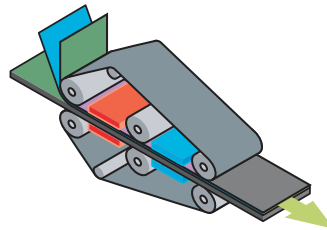
IR-line + Calender



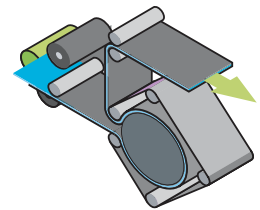
Ironing and steaming



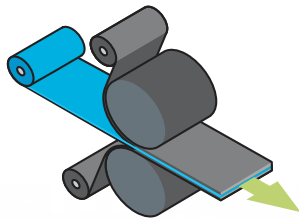
2 bonding layers



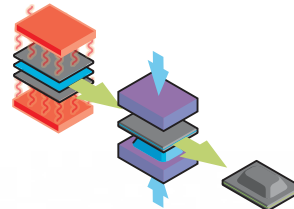
Flatbed Press
1 bonding layer



Belt Calender



Regular Calender



Thermoforming

INDUSTRIES



Building



Industrial



Garments



Upholstery



Lingerie



Non
woven



Shoes



Automobile



Leather



Electronics



Filtration



Splint



Model



Rubber



Wafer



Domestic



Technical
application



Composite



Textile




Bag



**Indonaisia | Srilanka | Nepal | Vietnam | China | Kenya | South Africa
Turkey | Finland | Spain | Netherlands | Germany | Mexico**

Info.country@alctermoadesivi.com

ALC TECHNOLOGY ADHESIVES S.R.L. 

📍 Sede Operativa - Via Einaudi,
6 - 10070 Robassomero (To) Italy
☎ +39 011 9233400 | +39 011 9233434

📍 Ricerca e Sviluppo - Via Torricelli,
23 - 31021 Mogliano Veneto (Tv) Italy
☎ +39 041 5906244 | +39 041 5935252

www.alctermoadesivi.com