

Plexar® PX1007

Ethylene Vinyl Acetate Copolymer

LyondellBasell Industries

Message:

Plexar tie-layers are chemically modified resins used to bond unlike materials, primarily in packaging and industrial applications. Common adherents include polyethylene resins and copolymers, EVA, EMA, polypropylene, polyamide (nylon), ethylene vinyl alcohol copolymers (EVOH), ionomer and other sealants, polyethylene terephthalate (PET) resins and copolymers, styrenic polymers, metal, and paperboard. Product grades primarily used for blown and cast films, sheet and thermoforming, blow molding, extrusion coating and lamination, tubing, pipe, and other specialty applications are available in pellet form. Contact your Plexar sales and/or Equistar technical service representative for more information and specific recommendations for your application(s).

General Information			
Uses	Packaging		
	Industrial application		
Agency Ratings	FDA 21 CFR 175.105		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.931	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.1	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Tensile Strength			ASTM D882
MD: Yield, 51 µm, blown film	12.7	MPa	ASTM D882
TD: Yield, 51 µm, blown film	7.20	MPa	ASTM D882
MD: Broken, 51 µm, blown film	25.0	MPa	ASTM D882
TD: Broken, 51 µm, blown film	22.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: yield, 51 µm, blow film	62	%	ASTM D882
TD: yield, 51 µm, blow film	64	%	ASTM D882
MD: Fracture, 51 µm	380	%	ASTM D882
TD: Broken, 51 µm, blown film	650	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD: 51 µm, blown film	290	g	ASTM D1922
TD: 51 µm, blown film	230	g	ASTM D1922
Water Vapor Transmission Rate (100% RH, 51 µm, Blown Film)	54	g/m²/24 hr	ASTM F372
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	78.0	°C	ASTM D1525
Additional Information			

A process melt temperature above 410°F (210°C) is recommended to ensure adhesion between adherents. More specific suggestions can be made only when equipment, process parameters and conditions of use are known.

Extrusion	Nominal Value	Unit
Melt Temperature	> 210	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

