

Plexar® PX3227

Linear Low Density Polyethylene

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	Film		
	Industrial Applications		
	Packaging		
Agency Ratings	FDA 21 CFR 175.105		
Forms	Pellets		
Processing Method	Blown Film		
	Extrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.913	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.7	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	8.80	MPa	
TD : Yield,51 µm, Blown Film	9.70	MPa	
MD : Break, 51 µm,Blown Film	28.7	MPa	
TD : Break, 51 µm,Blown Film	22.1	MPa	
Tensile Elongation			ASTM D882
MD : Yield, 51 µm, Blown Film	30	%	
TD : Yield, 51 µm, Blown Film	12	%	
MD : Break, 51 µm,Blown Film	840	%	
TD : Break, 51 µm,Blown Film	840	%	
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm, Blown Film	270	g	
TD : 51 µm, Blown Film	590	g	

Water Vapor Transmission Rate (100% RH, 51 µm, Blown Film)	5.6	g/m ² /24 hr	ASTM F372
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	82.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	> 210	°C	

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Recommended distributors for this material

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