Plexar® PX3080

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, such as EVA or EMA, polypropylene, polyamide (nylon), ethylene vinyl alcohol copolymers (EVOH), ionomer and other sealants, polyethylene terephthalate (PET) resins and copolymers, styrenic polymers, metal, paper and many others. Product grades tailored for blown and cast films, sheet and thermoforming, blow molding, extrusion coating and lamination, tubing, pipe, spray coating and other specialty applications are available in pellet form.

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	0.910	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	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	22.8	MPa	
TD : Break, 51 µm,Blown Film	22.2	MPa	
Tensile Elongation			ASTM D882
MD : Yield, 51 µm, Blown Film	16	%	
TD : Yield, 51 µm, Blown Film	7.0	%	
MD : Break, 51 µm,Blown Film	790	%	
TD : Break, 51 µm,Blown Film	800	%	
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm, Blown Film	840	g	
TD : 51 µm, Blown Film	1300	g	
Water Vapor Transmission Rate (100% RH, 51 µm, Blown Film)	8.9	g/m²/24 hr	ASTM F372

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	98.0	°C	ASTM D1525
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	> 210	°C	

Recommended distributors for this material

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