Plexar® PX2246

High 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	Adhesives Food Packaging Industrial Applications Packaging		
Agency Ratings	FDA 21 CFR 175.105		
Forms	Pellets		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.951	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.45	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	24.7	MPa	ASTM D638
Tensile Elongation (Break)	810	%	ASTM D638
Flexural Modulus - 1% Secant	738	MPa	ASTM D790
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	124	°C	ASTM D1525
Oxidation Induction Time	> 80	min	ASTM D3985
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	> 210	°C	

Recommended distributors for this material

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