Plexar® PX5400

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 polystyrene resins and copolymers, PE, EMA, polypropylene, polyamide (nylon), ethylene vinyl alcohol copolymers (EVOH), ionomer and other sealants. 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	0.933	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.0	°C	ASTM D1525

Additional Information

A process melt temperature below 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. Contact your Equistar Plexar technical service representative for more information.

Extrusion	Nominal Value	Unit
Melt Temperature	210	°C

Recommended distributors for this material

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