Technical Data Sheet

Plexar PX2246

Tie-Layer, HDPE

Product Description

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).

Regulatory Status

For regulatory compliance information, see *Plexar* PX2246 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Bottles For Consumer Goods
Market	Rigid Packaging; Tie-Layer
Processing Method	Extrusion Blow Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	0.45	g/10 min	ASTM D1238
Density, (23 °C)	0.951	g/cm³	ASTM D1505
Mechanical			
Flexural Modulus, (1% Secant)	738	MPa	ASTM D790
Tensile Strength at Break	24.7	MPa	ASTM D638
Tensile Elongation at Break	810	%	ASTM D638
Thermal			
Vicat Softening Point	124	°C	ASTM D1525

Manufacturer website: https://www.lyondellbasell.com/en/

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

A process melt temperature above 410°F (210°C) is recommended to ensure adhesion between adherents.

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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