Plexar

PX3060

Extrudable Tie Layer Resin
Anhydride-Modified PE
Melt Index: 2.2 Density: 0.924

General 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

PX3060 meets the requirements for the United States Food and Drug Administration regulation 21CFR 175.105 for adhesives. For more information, please contact your Equistar product safety representative.

Processing Techniques

A process melt temperature above 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.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	2.2	g/10 min	D1238
Density	0.924	g/cc	D1505
Vicat Softening Point	100	°C	D1525
Blown Film	**2.0 mil gauge; 2:1 BUR**		
Notched Elmendorf Tear, MD (TD)	117 (564)	g	D1922
Tensile Strength @ Yield, MD (TD)	12.6 (14.2)	MPa	D882
Tensile Strength @ Break, MD (TD)	30.1 (23.9)	MPa	D882
Elongation @ Yield, MD (TD)	16 (10)	%	D882
Elongation @ Break, MD (TD)	760 (760)	%	D882
WVTR	6.2	g/m²/day	F372*

* @ 100% Humidity

Typical Properties; not to be construed as specifications.