

LyondellBasell Plexar® PX1164 Extrudable Tie-Layer Resin - Anhydride Modified EVA

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Adhesive/Sealant Grade

Material Notes:

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, 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 blow 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. Contact your Plexar sales and/or Equistar technical service representative for more information and specific recommendations for your application(s).
Process Recommendations A process melt temperature above 410°F 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 technical service representative for more information.
Regulatory Status Plexar tie-layers meet the requirements for the Food and Drug Administration regulation 21CFR 175.105 for adhesives. This regulation describes adhesives which may be safely used as components of articles intended for use in packaging, transporting or holding food in accordance with conditions outlined in that regulation. For an adhesive formulation to be used in compliance with Sections 175.105, it must be used under conditions that prevent the material from becoming a component of food in more than insignificant, de minimis, amounts. For more information, please contact your Equistar product safety representative.
Other Information Cast Film 2.0 mil gauge, 2.1 BUR This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Plexar-PX1164-Extrudable-Tie-Layer-Resin-Anhydride-Modified-EVA.php

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in ³	ASTM D1505
Water Vapor Transmission	60.8 g/m ² /day	3.92 g/100 in ² /day	100% Humidity; ASTM F372
Thickness	50.8 microns	2.00 mil	2:1 BUR
Melt Flow	3.7 g/10 min	3.7 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	4.20 MPa	609 psi	ASTM D882
Film Tensile Strength at Yield, TD	7.40 MPa	1070 psi	ASTM D882
Film Elongation at Break, MD	710 %	710 %	ASTM D882
Film Elongation at Break, TD	460 %	460 %	ASTM D882
Film Elongation at Yield, MD	14 %	14 %	ASTM D882
Film Elongation at Yield, TD	28 %	28 %	ASTM D882

Elmendorf Tear Strength MD Mechanical Properties	94 g Metric	94 g English	ASTM D1922 Comments
Elmendorf Tear Strength TD	418 g	418 g	ASTM D1922
Film Tensile Strength at Break, MD	24.3 MPa	3520 psi	ASTM D882
Film Tensile Strength at Break, TD	27.2 MPa	3950 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	58.0 Â°C	136 Â°F	ASTM D1525

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China