

Plexar® PX5335

Linear Low 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 | Packaging | | |
| | Industrial application | | |
| Agency Ratings | FDA 21 CFR 175.105 | | |
| Forms | Particle | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.921 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 5.7 | g/10 min | ASTM D1238 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 99.0 | °C | ASTM D1525 |
| Melting Temperature (DSC) | 124 | °C | DIN 51004 |
| Oxidation Induction Time (210°C) | 32 | min | ISO 11357-6 |
| Additional Information | | | |
| 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. | | | |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | > 210 | °C | |

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