# Technical Data Sheet

## *Plexar* PX3236

Tie-Layer, LLDPE

### 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* PX3236 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** | Barrier Film; Collapsible Tubes; Containers; Food Packaging Film |
| **Market** | Flexible Packaging; Tie-Layer |
| **Processing Method** | Blown Film |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate, (190 °C/2.16 kg) | 2.0 | g/10 min | ASTM D1238 |
| Density, (23 °C) | 0.922 | g/cm³ | ASTM D1505 |
| **Film** | | | |
| Tensile Strength at Break | | | |
| MD | 28.4 | MPa | ASTM D882 |
| TD | 28.8 | MPa | ASTM D882 |
| Tensile Strength at Yield | | | |
| MD | 11.0 | MPa | ASTM D882 |
| TD | 12.2 | MPa | ASTM D882 |
| Tensile Elongation at Break | | | |
| MD | 680 | % | ASTM D882 |
| TD | 730 | % | ASTM D882 |
| Tensile Elongation at Yield | | | |
| MD | 12 | % | ASTM D882 |
| TD | 4 | % | ASTM D882 |
| Elmendorf Tear Strength | | | |
| MD | 200 | g | ASTM D1922 |
| TD | 470 | g | ASTM D1922 |
| Water Vapor Transmission Rate, (38 °C, 100% RH) @ 2 mils | 6.8 | g/m²/day | ASTM F372 |



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

| Thermal | | | |
|---|---|---|---|
| Vicat Softening Point | 100 | °C | ASTM D1525 |

## Notes

Film sample used for testing was 2.0 mil gauge, 2:1 BUR.

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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