

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* PX3060P [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

|                          |                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Status</b>            | Commercial: Active                                                                                          |
| <b>Availability</b>      | Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America |
| <b>Application</b>       | Drinking Water Pipe; Underfloor Heating                                                                     |
| <b>Market</b>            | Pipe; Tie-Layer                                                                                             |
| <b>Processing Method</b> | Pipe                                                                                                        |

| Typical Properties                 | Nominal Value | Units             | Test Method |
|------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                    |               |                   |             |
| Melt Flow Rate, (190 °C/2.16 kg)   | 2.2           | g/10 min          | ASTM D1238  |
| Density, (23 °C)                   | 0.924         | g/cm <sup>3</sup> | ASTM D1505  |
| <b>Thermal</b>                     |               |                   |             |
| Vicat Softening Point              | 100           | °C                | ASTM D1525  |
| Oxidation Induction Time, (210 °C) | 33            | min               | ISO 11357-6 |
| DSC Melting Point                  | 124           | °C                | DIN 51004   |

## 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

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