

# TR480BL

## Description

|                                  |   |
|----------------------------------|---|
| <b>Characteristics</b>           | <ul style="list-style-type: none"> <li>▪ PE80 Equivalent Materials</li> <li>▪ Outstanding Stress Cracking Resistance</li> <li>▪ Hexene Comonomer</li> <li>▪ Excellent Processability</li> </ul> |
| <b>Applications</b>              | <ul style="list-style-type: none"> <li>▪ Water &amp; Gas Pipe</li> <li>▪ Oil &amp; Engineering Pipe</li> </ul>  |
| <b>Processing Recommendation</b> | Processing Temperature 190~ 220°C   |
| <b>Specification data</b>        | Complies with FDA 21 CFR 177.1520   |

## Physical Properties

| Resin Properties                   | Unit               | Test Method | TR480BL |
|------------------------------------|--------------------|-------------|---------|
| Density                            | g/cm <sup>3</sup>  | ASTM D1505  | 0.953   |
| Melt Index (190°C, 5.0kg)          | g/10min            | ASTM D1238  | 0.65    |
| Vicat Softening Point              | °C                 | ASTM D1525  | 125     |
| Melting Temperature                | °C                 | ASTM D3418  | 129     |
| Additives                          | -                  | -           | AO      |
| Sheet Properties                   | Unit               | Test Method | TR480BL |
| Tensile Strength at Yield          | kg/cm <sup>2</sup> | ASTM D638   | 230     |
| Elongation at Break                | %                  | ASTM D638   | >600    |
| Izod Impact Strength (Notch, 23°C) | kg-cm/cm           | ASTM D256   | 25      |
| Flexural Modulus                   | kg/cm <sup>2</sup> | ASTM D790   | 8,800   |
| ESCR (Condition B, F50)            | hr                 | ASTM D1693  | >5,000  |
| OIT (200°C, Al Pan)                | min                | ASTM D3895  | >60     |

- Physical properties reported herein were determined on compression molded specimens prepared in accordance with ASTM D4703
- Additives : AO (Antioxidant)
- These are typical properties only and are not to be construed as specifications.

\*NOTICE: Prior to use for any commercial purpose, the customer is fully responsible for determining its suitability for intended application and for ensuring its disposal practices are in compliance with applicable laws and other governmental enactments. DAELIM assumes no obligation or liability in this regard. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.