

**Total Lacqtene® 2002 TN 40 HDPE, blow molding, pipe, sheet (discontinued \*\*)**

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

**Material Notes:**

LACQTENE® 2002 TN 40 is a high density polyethylene produced by the gas phase polymerization process with hexene as comonomer. Information provided provided by Total Petrochemicals. Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-Lacqtene-2002-TN-40-HDPE-blow-molding-pipe-sheet-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Total-Lacqtene-2002-TN-40-HDPE-blow-molding-pipe-sheet-nbspdiscontinued-.php)

| Physical Properties            | Metric        | English                   | Comments      |
|--------------------------------|---------------|---------------------------|---------------|
| Density                        | 0.940 g/cc    | 0.0340 lb/in <sup>3</sup> | ISO 1183      |
| Oxidative Induction Time (OIT) | >= 20 min     | >= 20 min                 | 200°C; EN 728 |
| Melt Flow                      | 0.20 g/10 min | 0.20 g/10 min             | ISO 1133      |
|                                | @Load 2.16 kg | @Load 4.76 lb             |               |
|                                | 0.75 g/10 min | 0.75 g/10 min             | ISO 1133      |
|                                | @Load 5.00 kg | @Load 11.0 lb             |               |
| High Load Melt Index           | 16 g/10 min   | 16 g/10 min               | ISO 1133      |
|                                | @Load 21.6 kg | @Load 47.6 lb             |               |

| Mechanical Properties      | Metric                 | English                    | Comments |
|----------------------------|------------------------|----------------------------|----------|
| Hardness, Shore D          | 57                     | 57                         | ISO 868  |
| Tensile Strength, Yield    | 19.0 MPa               | 2760 psi                   | ISO 527  |
| Elongation at Break        | >= 700 %               | >= 700 %                   | ISO 527  |
| Flexural Modulus           | 0.750 GPa              | 109 ksi                    | ISO 178  |
| Izod Impact, Notched (ISO) | 17.5 kJ/m <sup>2</sup> | 8.33 ft-lb/in <sup>2</sup> | ISO 180  |
|                            | @Temperature 23.0 °C   | @Temperature 73.4 °F       |          |

| Thermal Properties    | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Melting Point         | 127 °C | 261 °F  | ISO 3146 |
| Vicat Softening Point | 118 °C | 244 °F  | ISO 306  |

| Descriptive Properties | Value                                                                          | Comments |
|------------------------|--------------------------------------------------------------------------------|----------|
| Food Status            | This material conforms to both European and American Food contact regulations. |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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