

## Total LDPE 1700 MN 18 C Low Density Polyethylene - Injection Molding and Compounding

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

### Material Notes:

LDPE 1700 MN 18 C is a low density polyethylene made by a high pressure autoclave process without antioxidant. Grade for easy flow injection molding of flexible parts, powder production for grinding and master-batches. Information provided by Total Petrochemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-LDPE-1700-MN-18-C-Low-Density-Polyethylene-Injection-Molding-and-Compounding.php](http://www.lookpolymers.com/polymer_Total-LDPE-1700-MN-18-C-Low-Density-Polyethylene-Injection-Molding-and-Compounding.php)

| Physical Properties | Metric                               | English                              | Comments |
|---------------------|--------------------------------------|--------------------------------------|----------|
| Specific Gravity    | 0.918 g/cc                           | 0.918 g/cc                           | ISO 1183 |
| Melt Flow           | 70 g/10 min                          | 70 g/10 min                          | ISO 1133 |
|                     | @Load 2.16 kg,<br>Temperature 190 °C | @Load 4.76 lb,<br>Temperature 374 °F |          |

| Mechanical Properties     | Metric    | English  | Comments              |
|---------------------------|-----------|----------|-----------------------|
| Hardness, Shore D         | 50        | 50       | after 15 sec; ISO 868 |
| Tensile Strength at Break | 7.00 MPa  | 1020 psi | ISO 527-2             |
| Tensile Strength, Yield   | 8.00 MPa  | 1160 psi | ISO 527-2             |
| Elongation at Break       | 120 %     | 120 %    | ISO 527-2             |
| Modulus of Elasticity     | 0.150 GPa | 21.8 ksi | ISO 527-2             |

| Thermal Properties    | Metric      | English     | Comments  |
|-----------------------|-------------|-------------|-----------|
| Melting Point         | 105 °C      | 221 °F      | ISO 11357 |
| Vicat Softening Point | 84.0 °C     | 183 °F      | ISO 306   |
| Shrinkage             | 2.0 - 4.0 % | 2.0 - 4.0 % |           |

| Processing Properties  | Metric         | English       | Comments |
|------------------------|----------------|---------------|----------|
| Processing Temperature | 160 - 220 °C   | 320 - 428 °F  |          |
| Mold Temperature       | 30.0 - 40.0 °C | 86.0 - 104 °F |          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215, Fengxian District, Shanghai City, China**