

Total PPH 3727W Polypropylene, High Performance Injection Molding Grade

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Balanced Properties TOTAL Polypropylene 3727W strikes an optimum balance between excellent mechanical properties (tensile, flex and impact) and processability making it a superior molding grade for cap and closure applications. Impact Strength 3727W offers improved impact strength. Nucleation TOTAL Polypropylene 3727W is formulated to provide fast cycle time and improve contact clarity in thin wall multi-cavity molds. Recommended Applications. TOTAL Polypropylene 3727W is recommended for large thin wall parts, caps and closures. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPH-3727W-Polypropylene-High-Performance-Injection-Molding-Grade.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------|-------------|---------------|
| Specific Gravity | 0.905 g/cc | 0.905 g/cc | ASTM D1505 |
| Melt Flow | 20 g/10 min | 20 g/10 min | ASTM D1238, L |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------------------------|-----------------------------------|------------------|
| Tensile Strength, Yield | 33.0 MPa | 4790 psi | ASTM D638 |
| Elongation at Yield | 8.0 % | 8.0 % | ASTM D638 |
| Tensile Modulus | 1.24 GPa | 180 ksi | ASTM D638 |
| Flexural Modulus | 1.31 GPa | 190 ksi | ASTM D790 |
| Izod Impact, Notched | 0.530 J/cm | 0.993 ft-lb/in | ASTM D256A |
| Impact Test | 18.0 J @Thickness 3.17 mm | 13.3 ft-lb @Thickness 0.125 in | Drop Impact; API |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Melting Point | 158 °C | 316 °F | DSC |
| Deflection Temperature at 0.46 MPa (66 psi) | 105 °C | 221 °F | ASTM D648 |

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