

Total PPH 7059 Polypropylene, Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA Polypropylene PPH 7059 is homopolymer. Application ATOFINA Polypropylene PPH 7059 is intended for extrusion of staple fibers for non-woven applications. It exhibits excellent spinning properties and optimal thermal bonding performance. PPH 7059 has a special anti gas-fading formulation to reduce yellowing in fibers. Information provided provided by Total Petrochemicals. Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPH-7059-Polypropylene-Homopolymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|----------|
| Bulk Density | 0.525 g/cc | 0.0190 lb/in ³ | ISO 1183 |
| Density | 0.905 g/cc | 0.0327 lb/in ³ | ISO 1183 |
| Melt Flow | 11 g/10 min @Load 2.16 kg, Temperature 230 °C | 11 g/10 min @Load 4.76 lb, Temperature 446 °F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-------------------------|----------------------------|------------|
| Hardness, Rockwell R | 95 | 95 | ISO 2039-2 |
| Tensile Strength, Yield | 35.0 MPa | 5080 psi | ISO 527-2 |
| Elongation at Yield | 10 % | 10 % | ISO 527-2 |
| Tensile Modulus | 1.60 GPa | 232 ksi | ISO 527-2 |
| Flexural Modulus | 1.50 GPa | 218 ksi | ISO 527-2 |
| Izod Impact, Notched (ISO) | 3.50 kJ/m ² | 1.67 ft-lb/in ² | ISO 179 |
| Charpy Impact, Notched | 0.450 J/cm ² | 2.14 ft-lb/in ² | ISO 179 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|----------------------------|
| Melting Point | 165 °C | 329 °F | ISO 3146 |
| Deflection Temperature at 0.46 MPa (66 psi) | 100 °C | 212 °F | 120°C per hour; ISO 75-2 |
| Deflection Temperature at 1.8 MPa (264 psi) | 55.0 °C | 131 °F | 120°C per hour; ISO 75-2 |
| Vicat Softening Point | 87.0 °C | 189 °F | 50N-50°C per hour; ISO 306 |
| | 152 °C | 306 °F | 10N-50°C per hour; ISO 306 |

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