

Total PPH 3150 Polypropylene, Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

Material Notes:

Polypropylene PPH 3150 is a modified homopolymer polypropylene with a Melt Flow index of 2 g/10 min. Polypropylene PPH 3150 is intended for the production at very high speed of flat bioriented films for food packaging. It does not contain any slip or antistatic agents and is Calcium Stearate free. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPH-3150-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.905 g/cc	0.905 g/cc	ISO 1183
Bulk Density	0.525 g/cc	0.0190 lb/in ³	ISO 1183
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ISO 2039-2
Tensile Strength, Yield	33.0 MPa	4790 psi	ISO 527-2
Elongation at Yield	10 %	10 %	ISO 527-2
Tensile Modulus	1.40 GPa	203 ksi	ISO 527-2
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	162 °C	324 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	120°C per hour; ISO 752
Vicat Softening Point	85.0 °C @Load 5.10 kg	185 °F @Load 11.2 lb	50°C per hour; ISO 306
	150 °C @Load 1.02 kg	302 °F @Load 2.25 lb	50°C per hour; ISO 306

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