

Addiplast Addilene H 442 M30 Polypropylene Homopolymer

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

Material Notes:

High heat resistance, detergent stabilized Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addilene-H-442-M30-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183/A
Melt Flow	14 g/10 min	14 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	76	76	ISO 868
Tensile Strength at Break	28.0 MPa	4060 psi	ISO R 527
Tensile Strength, Yield	33.0 MPa	4790 psi	ISO R 527
Elongation at Yield	11 %	11 %	ISO R 527
Modulus of Elasticity	3.20 GPa	464 ksi	ISO 178
Izod Impact, Notched (ISO)	2.50 kJ/m ²	1.19 ft-lb/in ²	ISO 180/1A
Charpy Impact Unnotched	2.20 J/cm ²	10.5 ft-lb/in ²	ISO 179/IeU
Charpy Impact, Notched	0.250 J/cm ²	1.19 ft-lb/in ²	ISO 179/IeA

Thermal Properties	Metric	English	Comments
Melting Point	165 - 168 °C	329 - 334 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	76.0 °C	169 °F	ISO 75-2/AF
Vicat Softening Point	153 °C	307 °F	ISO 306/A50

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	CEI 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	CEI 60093
Comparative Tracking Index	>= 600 V	>= 600 V	CEI 60112/Solution A

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