

Addiplast Addilene PMD 50284 Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Mineral Reinforced

Material Notes:

Mineral reinforced, improved rigidity Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addilene-PMD-50284-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ISO 1183/A
Melt Flow	10 g/10 min	10 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ISO 868
Tensile Strength at Break	15.0 MPa	2180 psi	ISO R 527
Tensile Strength, Yield	21.0 MPa	3050 psi	ISO R 527
Elongation at Yield	50 %	50 %	ISO R 527
Modulus of Elasticity	2.50 GPa	363 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180/1A
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	ISO 179/IeU
Charpy Impact, Notched	0.650 J/cm ²	3.09 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)	72.0 °C	162 °F	ISO 75-2/AF
Vicat Softening Point	152 °C	306 °F	ISO 306/A50

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+13 ohm-cm	>= 1.00e+13 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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