

Addiplast Addilene PMD 50271 Flame Retardant Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

Material Notes:

Flame retardant, high rigidity Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addilene-PMD-50271-Flame-Retardant-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ISO 1183/A
Melt Flow	16 g/10 min	16 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	Conditioned; ISO 868
Tensile Strength at Break	70.0 MPa	10200 psi	Conditioned; ISO R 527
Elongation at Break	4.0 %	4.0 %	Conditioned; ISO R 527
Modulus of Elasticity	7.00 GPa	1020 ksi	Conditioned; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	1.80 J/cm ²	8.57 ft-lb/in ²	Conditioned; ISO 179/IeU
Charpy Impact, Notched	0.550 J/cm ²	2.62 ft-lb/in ²	Conditioned; 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)	146 °C	295 °F	ISO 75-2/AF
Vicat Softening Point	163 °C	325 °F	ISO 306/A50
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
Oxygen Index	23 %	23 %	ISO 4589
Glow Wire Test	750 °C	1380 °F	CEI 60695/2/1

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	Conditioned; CEI 60093

Surface Resistance Electrical Properties	$\geq 1.00\text{e}+13\text{ ohm}$ Metric	$\geq 1.00\text{e}+13\text{ ohm}$ English	Conditioned; CEI 60093 Comments
Comparative Tracking Index	$\geq 600\text{ V}$	$\geq 600\text{ V}$	CEI 60112/Solution A

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