

Addiplast Addilene PMD 50218 Flame Retardant Polypropylene

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

Material Notes:

Flame retardant, unreinforced, with halogens Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addilene-PMD-50218-Flame-Retardant-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ISO 1183/A
Melt Flow	12 g/10 min	12 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	Conditioned; ISO 868
Tensile Strength at Break	15.0 MPa	2180 psi	Conditioned; ISO R 527
Elongation at Break	>= 100 %	>= 100 %	Conditioned; ISO R 527
Modulus of Elasticity	1.20 GPa	174 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	NB	NB	Conditioned; ISO 179/1eU
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	Conditioned; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	165 - 168 °C	329 - 334 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	ISO 75-2/AF
Vicat Softening Point	148 °C	298 °F	ISO 306/A50
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
Oxygen Index	25 %	25 %	ISO 4589
Glow Wire Test	960 °C	1760 °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	$\geq 1.00 \times 10^{13}$ ohm Metric	$\geq 1.00 \times 10^{13}$ ohm English	Conditioned; CEI 60093 Comments
Dielectric Strength	43.0 kV/mm	1090 kV/in	CEI 60243-1
Comparative Tracking Index	≥ 600 V	≥ 600 V	CEI 60112/Solution A

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