

Addiplast Addilene H 490 M40F Flame Retardant Polypropylene, 40% Mineral Filled

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

Material Notes:

Flame retardant, mineral filled, with halogens Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addilene-H-490-M40F-Flame-Retardant-Polypropylene-40-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 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	78	78	Conditioned; ISO 868
Tensile Strength at Break	26.0 MPa	3770 psi	Conditioned; ISO R 527
Elongation at Break	5.0 %	5.0 %	Conditioned; ISO R 527
Modulus of Elasticity	4.20 GPa	609 ksi	Conditioned; ISO 178
Izod Impact, Notched (ISO)	2.00 kJ/m ²	0.952 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	1.00 J/cm ²	4.76 ft-lb/in ²	Conditioned; ISO 179/1eU
Charpy Impact, Notched	0.200 J/cm ²	0.952 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)	80.0 °C	176 °F	ISO 75-2/AF
Vicat Softening Point	153 °C	307 °F	ISO 306/A50
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
Oxygen Index	27 %	27 %	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

Electrical Properties	Metric	English	Comments
Dielectric Strength	42.0 kV/mm	1070 kV/in	CEI 60243-1
Comparative Tracking Index	>= 600 V	>= 600 V	CEI 60112/Solution A

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