

Addiplast Addilene J 490 M20F Flame Retardant Polypropylene, 20% 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-J-490-M20F-Flame-Retardant-Polypropylene-20-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 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	70	70	Conditioned; ISO 868
Tensile Strength at Break	21.0 MPa	3050 psi	Conditioned; ISO R 527
Elongation at Break	11 %	11 %	Conditioned; ISO R 527
Modulus of Elasticity	2.60 GPa	377 ksi	Conditioned; ISO 178
Izod Impact, Notched (ISO)	3.50 kJ/m ²	1.67 ft-lb/in ²	Conditioned; ISO 180/1A
Charpy Impact Unnotched	3.70 J/cm ²	17.6 ft-lb/in ²	Conditioned; ISO 179/IeU
Charpy Impact, Notched	0.350 J/cm ²	1.67 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)	62.0 °C	144 °F	ISO 75-2/AF
Vicat Softening Point	151 °C	304 °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
Surface Resistance	$\geq 10^{13}$ ohm	$\geq 10^{13}$ ohm	Conditioned; CEI 60093
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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