

## Addiplast Addilene H 490 M10S Flame Retardant Polypropylene

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-M10S-Flame-Retardant-Polypropylene.php](http://www.lookpolymers.com/polymer_Addiplast-Addilene-H-490-M10S-Flame-Retardant-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	ISO 1183/A
Melt Flow	12 g/10 min	12 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	Conditioned; ISO 868
Tensile Strength at Break	32.0 MPa	4640 psi	Conditioned; ISO R 527
Elongation at Break	30 %	30 %	Conditioned; ISO R 527
Modulus of Elasticity	2.10 GPa	305 ksi	Conditioned; ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	Conditioned; ISO 180/1A
Charpy Impact Unnotched	2.20 J/cm <sup>2</sup>	10.5 ft-lb/in <sup>2</sup>	Conditioned; ISO 179/leU
Charpy Impact, Notched	0.300 J/cm <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	Conditioned; ISO 179/leA

Thermal Properties	Metric	English	Comments
Melting Point	165 - 168 °C	329 - 334 °F	ISO 3146/C2
Deflection Temperature at 1.8 MPa (264 psi)	69.0 °C	156 °F	ISO 75-2/AF
Vicat Softening Point	153 °C	307 °F	ISO 306/A50
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
Oxygen Index	22 %	22 %	ISO 4589

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	Conditioned; CEI 60093
Surface Resistance	>= 1.00e+13 ohm	>= 1.00e+13 ohm	Conditioned; CEI 60093

Dielectric Strength Electrical Properties	43.0 kV/mm Metric	1090 kV/in English	CEI 60243-1 Comments
Comparative Tracking Index	>= 600 V	>= 600 V	CEI 60112/Solution A

## Contact Songhan Plastic Technology Co.,Ltd.

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