

Multibase Multi-Flamâ„ç 2012 HFR 24 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Features:Flame Retardant Forms:PelletsProcessing Methods:Injection MoldingInformation provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flam-2012-HFR-24-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ASTM D955
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	5.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	26.9 MPa	3900 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	44.1 MPa	6400 psi	ASTM D790
Flexural Modulus	3.03 GPa	440 ksi	Method I (3 point load), Procedure B); ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256
Gardner Impact	0.6779 J	0.5000 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	125 Â°C	257 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 Â°C	158 Â°F	Unannealed; ASTM D648
Vicat Softening Point	151 Â°C	304 Â°F	ASTM D1525
Oxygen Index	26 %	26 %	ASTM D2863

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