

Teknor Apex Synres® PP HFR005 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Notes: The Specialty Compounding Division offer a proprietary line of flame retardant polyolefins. Typical applications include building products, electrical/electronic and many other consumer and industrial applications. These compounds can be tailored to specific needs and are available pre-colored or natural. Product Description: 70% Magnesium Hydroxide Masterbatch Features: Flame Retardant Forms: Pellets Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Synres-PP-HFR005-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792
Melt Flow	10.0 g/10 min @Load 2.16 kg, Temperature 230 °C	10.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	74	74	10 seconds; ASTM D2240
	76	76	ASTM D2240
Tensile Strength at Break	20.7 MPa	3000 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus	1.65 GPa	240 ksi	ASTM D790
Izod Impact, Notched	0.214 J/cm	0.400 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

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