

RheTech Products T10UP100-01 10% Talc Reinforced Polypropylene Copolymer, General Purpose Black, UL94 HB Rated

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Talc Filler

Material Notes:

Applications: Wire troughElectrical componentsConsumer goodsInjection molding conditions reported in table.Information provided by RheTech Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_RheTech-Products-T10UP100-01-10-Talc-Reinforced-Polypropylene-Copolymer-General-Purpose-Black-UL94-HB-Rated.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	23/23°C; ASTM D792
Filler Content	10 %	10 %	ASTM D5630
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	ASTM D955
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	ASTM D2240
Tensile Strength at Break	33.1 MPa	4800 psi	2 in/min; ASTM D638
Flexural Modulus	1.76 GPa	255 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.320 J/cm @Temperature 23.0 °C	0.600 ft-lb/in @Temperature 73.4 °F	ASTM D256
Gardner Impact	0.904 J	0.667 ft-lb	ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	113 °C	235 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	193 - 221 °C	380 - 430 °F	

Middle Barrel Temperature Processing Properties	199 - 227 °C Metric	390 - 440 °F English	Comments
Front Barrel Temperature	204 - 232 °C	400 - 450 °F	
Nozzle Temperature	210 - 221 °C	410 - 430 °F	
Mold Temperature	26.7 - 48.9 °C	80.0 - 120 °F	
Drying Temperature	65.6 - 82.2 °C	150 - 180 °F	
Dry Time	1 - 2 hour	1 - 2 hour	
Moisture Content	<= 0.050 %	<= 0.050 %	Recommended
Injection Pressure	55.2 - 103 MPa	8000 - 15000 psi	
Hold Pressure	27.6 - 51.7 MPa	4000 - 7500 psi	
Back Pressure	0.345 - 1.03 MPa	50.0 - 150 psi	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China