

## MRC Polymers MAXTEL,ç 600 GF30 TPO, 30% Glass Fiber Filled

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO)

### Material Notes:

For automotive exterior applications  
Excellent process ability and dimensional stability  
Can be UV Stabilized  
Internal and external lubricants can be added  
Information provided by MRC Polymers Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MRC-Polymers-MAXTEL-600-GF30-TPO-30-Glass-Fiber-Filled.php](http://www.lookpolymers.com/polymer_MRC-Polymers-MAXTEL-600-GF30-TPO-30-Glass-Fiber-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Filler Content	30 %	30 %	ASTM D5630
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D955
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 Â°C	10 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D256

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	15sec dwell; ISO 868
Tensile Strength at Break	55.2 MPa	8000 psi	ASTM D638
Flexural Strength	68.9 MPa	10000 psi	ASTM D790
Flexural Modulus	3.79 GPa	550 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 Â°C @Thickness 3.17 mm	320 Â°F @Thickness 0.125 in	un-annealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	136 Â°C @Thickness 3.17 mm	277 Â°F @Thickness 0.125 in	un-annealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	210 - 227 Â°C	410 - 440 Â°F	
Middle Barrel Temperature	210 - 227 Â°C	410 - 440 Â°F	
Front Barrel Temperature	210 - 227 Â°C	410 - 440 Â°F	

Processing Properties	Metric	English	Comments
Melt Temperature	221 - 260 Å°C	430 - 500 Å°F	
Mold Temperature	26.7 - 48.9 Å°C	80.0 - 120 Å°F	
Drying Temperature	82.2 Å°C	180 Å°F	
Dry Time	4 hour	4 hour	
Dew Point	<= -17.8 Å°C	<= 0.000 Å°F	
Drying Air Flow Rate	22.7 - 28.3 l/min	0.800 - 1.00 ftÅ³/min (CFM)	per lb/hour resin processed
Injection Pressure	68.9 - 138 MPa	10000 - 20000 psi	
Back Pressure	0.345 - 0.689 MPa	50.0 - 100 psi	
Cushion	0.330 - 0.635 cm	0.130 - 0.250 in	
Screw Speed	40 - 70 rpm	40 - 70 rpm	

Descriptive Properties	Value	Comments
Fill Rate	Slow to Moderate	
Hold Pressure	40-60% of injection pressure	
Packing Pressure	50-75% of injection pressure	

## Contact Songhan Plastic Technology Co.,Ltd.

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