

## MRC Polymers MAXTEL,ç 600T25 TPO, 25% Talc 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-600T25-TPO-25-Talc-Filled.php](http://www.lookpolymers.com/polymer_MRC-Polymers-MAXTEL-600T25-TPO-25-Talc-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ISO 1183
Filler Content	25 %	25 %	ISO 3451A
Linear Mold Shrinkage	0.010 - 0.016 cm/cm	0.010 - 0.016 in/in	ISO 294
Melt Flow	14 g/10 min @Load 2.16 kg, Temperature 230 Â°C	14 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	15sec dwell; ISO 868
Tensile Strength, Yield	15.00 MPa	2175 psi	ISO 527
Flexural Strength	22.99 MPa	3335 psi	ISO 178
Flexural Modulus	1.31 GPa	190 ksi	ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/mÂ²	7.14 ft-lb/inÂ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Â°C @Thickness 3.17 mm	167 Â°F @Thickness 0.125 in	un-annealed; ISO 75

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	182 - 204 Â°C	360 - 400 Â°F	
Middle Barrel Temperature	193 - 216 Â°C	380 - 420 Â°F	
Front Barrel Temperature	204 - 227 Â°C	400 - 440 Â°F	
Nozzle Temperature	216 - 238 Â°C	420 - 460 Â°F	
Melt Temperature	221 - 243 Â°C	430 - 470 Â°F	

Processing Properties	Metric 32.2 Å°C	English 0.0 Å°F	Comments
Drying Temperature	48.9 - 65.6 Å°C	120 - 150 Å°F	Usually not required
Dry Time	1 - 2 hour	1 - 2 hour	
Injection Pressure	48.3 - 55.2 MPa	7000 - 8000 psi	
Back Pressure	0.000 - 1.03 MPa	0.000 - 150 psi	
Cushion	0.635 cm	0.250 in	

Descriptive Properties	Value	Comments
Fill Rate	Slow to Moderate	
Screw Speed	Slow to Moderate	

## Contact Songhan Plastic Technology Co.,Ltd.

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