

MRC Polymers SATRAN[®],ç 800R ABS Terpolymer, Reprocessed

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

black only
Information provided by MRC Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MRC-Polymers-SATRAN-800R-ABS-Terpolymer-Reprocessed.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Water Absorption	0.40 %	0.40 %	ASTM D570
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Melt Flow	2.0 - 4.0 g/10 min @Load 3.80 kg, Temperature 230 Å°C	2.0 - 4.0 g/10 min @Load 8.38 lb, Temperature 446 Å°F	nominal; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.5 MPa	5000 psi	ASTM D638
Flexural Strength	55.2 MPa	8000 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Temperature 22.8 Å°C	2.00 ft-lb/in @Temperature 73.0 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 Å°C	185 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	80.0 Å°C	176 Å°F	ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	193 - 216 Å°C	380 - 420 Å°F	
Middle Barrel Temperature	199 - 221 Å°C	390 - 430 Å°F	
Front Barrel Temperature	204 - 227 Å°C	400 - 440 Å°F	
Nozzle Temperature	204 - 227 Å°C	400 - 440 Å°F	
Melt Temperature	204 - 227 Å°C	400 - 440 Å°F	

Processing Properties	Metric	English	Comments
Mold Temperature	26.7 - 60.0 Å°C	50.0 - 140 Å°F	function of wall thickness
Drying Temperature	76.7 - 87.8 Å°C	170 - 190 Å°F	
Dry Time	2 - 3 hour	2 - 3 hour	
Moisture Content	<= 0.040 %	<= 0.040 %	
Dew Point	-28.9 Å°C	-20.0 Å°F	
Injection Pressure	68.9 - 138 MPa	10000 - 20000 psi	
Back Pressure	0.345 - 0.689 MPa	50.0 - 100 psi	
Shot Size	40 - 75 %	40 - 75 %	
Cushion	0.330 - 0.813 cm	0.130 - 0.320 in	

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

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