

MAXNITE® PET 500 GF15

Polyethylene Terephthalate

MRC Polymers, Inc.

Message:

Further information and details are available upon request.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	82.7	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	5860	MPa	ASTM D790
Flexural Strength	131	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	116 - 135	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	< -17.8	°C	
Suggested Max Moisture	0.020	%	
Rear Temperature	260 - 282	°C	
Middle Temperature	260 - 288	°C	
Front Temperature	266 - 288	°C	
Nozzle Temperature	271 - 299	°C	
Processing (Melt) Temp	271 - 293	°C	
Mold Temperature	82.2 - 104	°C	
Injection Pressure	68.9 - 138	MPa	
Injection Rate	Moderate-Fast		
Back Pressure	0.345 - 1.21	MPa	
Screw Speed	20 - 50	rpm	
Cushion	6.35	mm	
Injection instructions			

Packing: 50 to 75% of injection pressureHold: 40 to 60% of injection pressureAir Flow Rate: 0.8-1.0 CFM per lb/hour resin processed

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

