

# RTP 505 TFE 5

Styrene Acrylonitrile  
RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'  
The data for this material has not been recently verified.  
Please contact RTP Company for current information prior to specifying this grade.  
-Preliminary Product Data per RTP Co.-

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	PTFE Lubricant (5%)		
Features	Lubricated		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10	%	ASTM D955
Water Absorption (23°C, 24 hr)	9.0E-3	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11000	MPa	ASTM D638
Tensile Strength	103	MPa	ASTM D638
Tensile Elongation (Break)	1.3	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	37	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	210	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	104	°C	ASTM D648
CLTE - Flow	3.6E-5	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0	hr	
Suggested Max Regrind	20	%	
Rear Temperature	232 to 288	°C	

Middle Temperature	232 to 288	°C
Front Temperature	232 to 288	°C
Mold Temperature	37.8 to 79.4	°C
Injection Pressure	68.9 to 103	MPa
Back Pressure	0.345	MPa

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Recommended distributors for this material

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