

RTP 4700 AR 15 TFE 15

Polytrimethylene Terephthalate
RTP Company

Message:
Aramid Fiber - PTFE Lubricated

General Information			
Filler / Reinforcement	Aramid fiber, 15% filler by weight		
Additive	PTFE lubricant (15%)		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.60 - 1.0	%	ASTM D955
Moisture Content	0.010	%	
Primary Additive	15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4830	MPa	ASTM D638
Tensile Strength	68.9	MPa	ASTM D638
Tensile Elongation (Yield)	2.5 - 3.5	%	ASTM D638
Flexural Modulus	4480	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	350	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	146	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	127	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	-40.0	°C	
Processing (Melt) Temp	232 - 260	°C	
Mold Temperature	87.8 - 121	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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

