

RTP 1300 D AR 15 TFE 15

Polyphenylene Sulfide

RTP Company

Message:

Aramid Fiber - PTFE Lubricated

General Information			
Filler / Reinforcement	Aramid Fiber,15% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Lubricated		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5520	MPa	ASTM D638
Tensile Strength	68.9	MPa	ASTM D638
Tensile Elongation (Yield)	1.8	%	ASTM D638
Flexural Modulus	5520	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	32	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	160	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	6.0	hr	
Processing (Melt) Temp	302 to 343	°C	
Mold Temperature	65.6 to 177	°C	
Injection Pressure	68.9 to 103	MPa	

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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

