

RTP 2287 HF TFE 15

Polyetheretherketone

RTP Company

Message:

Carbon Fiber - PTFE Lubricated

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 40% 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	1.58	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.020 - 0.050	%	ASTM D955
Moisture Content	0.10	%	
Primary Additive	40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	41400	MPa	ASTM D638
Tensile Strength	186	MPa	ASTM D638
Tensile Elongation (Yield)	0.50 - 1.0	%	ASTM D638
Flexural Modulus	31000	MPa	ASTM D790
Flexural Strength	262	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)	320	J/m	ASTM D4812
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	3.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	349 - 399	°C	
Mold Temperature	163 - 218	°C	
Injection Pressure	82.7 - 124	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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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



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