

RTP 2200 AR 15

Polyetheretherketone

RTP Company

Message:

Aramid Fiber - (Preliminary Data Sheet)

General Information			
Filler / Reinforcement	Aramid fiber, 15% filler by weight		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.80 - 1.2	%	ASTM D955
Moisture Content	0.10	%	
Primary Additive	15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5170	MPa	ASTM D638
Tensile Strength	86.2	MPa	ASTM D638
Tensile Elongation (Yield)	2.5 - 5.0	%	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	37	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	480	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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