

RTP 205 A TFE 5 HI

Polyamide 6

RTP Company

Message:

Glass Fiber - Impact Modified - PTFE Lubricated - Preliminary Datasheet

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	PTFE lubricant (5%)		
	Impact modifier		
Features	Impact modification		
	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 - 0.40	%	ASTM D955
Moisture Content	0.20	%	
Primary Additive	30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8270	MPa	ASTM D638
Tensile Strength	134	MPa	ASTM D638
Tensile Elongation (Yield)	4.0 - 6.0	%	ASTM D638
Flexural Modulus	7930	MPa	ASTM D790
Flexural Strength	210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	200	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1400	J/m	ASTM D4812
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82	°C	
Drying Time	2.0	hr	
Dew Point	-18	°C	
Processing (Melt) Temp	243 - 279	°C	
Mold Temperature	54 - 93	°C	
Injection Pressure	68.9 - 103	MPa	

Injection instructions

Desiccant Type Dryer Required.

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Recommended distributors for this material

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