

RTP 205.3 A HS

Polyamide 6

RTP Company

Message:

Glass Fiber - Heat Stabilized - Lubricated

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.20	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.1	%	ASTM D570
Moisture Content	0.20	%	
Primary Additive	33	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9650	MPa	ASTM D638
Tensile Strength	165	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength	248	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	130	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1200	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	216	°C	ASTM D648
1.8 MPa, not annealed	204	°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	82.2	°C	

Drying Time	2.0	hr
Dew Point	-17.8	°C
Processing (Melt) Temp	243 - 279	°C
Mold Temperature	54.4 - 93.3	°C
Injection Pressure	68.9 - 103	MPa

Injection instructions

Desiccant Type Dryer Required.

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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

