RTP 105 SP (20% FOAMED)

Polypropylene

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.
This Series of materials is specially formulated to offer optimum physical properties for structural foam applications. They are designed for molding with the nitrogen or chemical blowing agent process. Values shown are based on 20% density reduction.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Foamable property		
RoHS Compliance	Contact manufacturer		
Appearance	Black Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.898	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	5340	MPa	ASTM D638
Tensile Strength (Yield)	43.4	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	4480	MPa	ASTM D790
Flexural Strength (Yield)	60.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	59	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	220	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	138	°C	ASTM D648
1.8 MPa, not annealed	121	°C	ASTM D648
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.59 mm, Values per RTP Company testing.)	HB		UL 94
Additional Information			
Molding Shrinkage, Linear-Flow, ASTM D955, 6.35mm: 6mm/m.			
Injection	**Nominal Value**	**Unit**	
Drying Temperature	82.2	°C	

Drying Time	2.0	hr
Suggested Max Regrind	20	%
Rear Temperature	218 - 274	°C
Middle Temperature	218 - 274	°C
Front Temperature	218 - 274	°C
Mold Temperature	32.0 - 66.0	°C
Injection Pressure	68.9 - 103	MPa
Back Pressure	0.345	MPa
Screw Speed	50 - 90	rpm
Clamp Tonnage	6.9 - 11	kN/cm^2

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