RTP 207.3D L

Polyamide 612

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.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 43% filler by weight		
Additive	Lubricant		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Appearance	Black Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.43	g/cm³	ASTM D792
Molding Shrinkage - Flow			ASTM D955
3.18mm, injection molding	0.30	%	ASTM D955
6.35mm, injection molding	0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.19	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (Injection Molded)	10300	MPa	ASTM D638
Tensile Strength	186	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	1.9	%	ASTM D638
Flexural Modulus (Injection Molded)	8960	MPa	ASTM D790
Flexural Strength (Injection Molded)	272	MPa	ASTM D790
Compressive Strength	165	MPa	ASTM D695
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm, Injection Molded)	170	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1100	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, injection molded	218	°C	ASTM D648

1.8 MPa, unannealed, injection molded	216	°C	ASTM D648
CLTE - Flow	2.0E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.58	W/m/K	ASTM C177
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength [1]	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.80		ASTM D150
Dissipation Factor (1 MHz)	0.016		ASTM D150
Arc Resistance	120	sec	ASTM D495
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.50 mm)	HB		UL 94
Additional Information			
The value listed as Flammibility, UL 94, was tested in accordance with RTP Company methods.			
Injection	**Nominal Value**	**Unit**	
Rear Temperature	252 - 279	°C	
Middle Temperature	252 - 279	°C	
Front Temperature	252 - 279	°C	
Mold Temperature	60.0 - 93.0	°C	
Injection Pressure	69.0 - 124	MPa	
NOTE			
1.	Method A (short time)		

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

WECHAT