

RTP 2099 X 106722 C

Thermoplastic

RTP Company

Message:

High Gravity Compound

General Information			
Features	High Density		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	11.0	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4140	MPa	ASTM D638
Tensile Strength	4.14	MPa	ASTM D638
Tensile Elongation (Yield)	1.0 to 2.0	%	ASTM D638
Flexural Modulus	689	MPa	ASTM D790
Flexural Strength	6.21	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	110	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
CLTE			ASTM E831
Flow	7.1E-5	cm/cm/°C	
Transverse	1.2E-4	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	< 60.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	182 to 232	°C	
Mold Temperature	15.6 to 37.8	°C	
Injection Pressure	68.9 to 103	MPa	

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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

