

RTP 200 TC-I-25 FR

Polyamide 66

RTP Company

Message:

Thermally Conductive - Electrically Insulative - Flame Retardant

General Information			
UL YellowCard	E84658-101648574		
Features	Heat conduction		
	Insulation		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.86	g/cm ³	ASTM D792
Moisture Content	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	24100	MPa	ASTM D638
Tensile Strength	62.1	MPa	ASTM D638
Tensile Elongation (Yield)	< 1.0	%	ASTM D638
Flexural Modulus	24100	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	27	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	80	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity			
-- ¹	1.5	W/m/K	ASTM E1530
-- ²	5.0	W/m/K	ASTM E1461
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	ASTM D257
Dielectric Strength ³ (in Oil)	16	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	4.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	277 - 299	°C	

Mold Temperature	65.6 - 107	°C
Injection Pressure	68.9 - 124	MPa
Injection instructions		
Desiccant Type Dryer Required.		
NOTE		
1.	Through-plane	
2.	In-plane	
3.	Method A (short time)	

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