

RTP 205 FR XB

聚酰胺 66

RTP Company

Technical Data

Product Description

Glass Fiber - Flame Retardant - RoHS Compliant

General

Filler / Reinforcement	• 玻璃纤维增强材料, 30% Filler by Weight
Features	• 阻燃性
RoHS Compliance	• RoHS 合规
Processing Method	• 注射成型

Physical

	额定值 单位制	测试方法
Density / Specific Gravity	1.46 g/cm ³	ASTM D792
Molding Shrinkage - 流动 (3.20 mm)	0.15 到 0.30 %	ASTM D955
含水量	0.20 %	

Mechanical

	额定值 单位制	测试方法
Tensile Modulus	10000 MPa	ASTM D638
Tensile Strength	145 MPa	ASTM D638
Tensile Elongation (屈服)	2.0 到 3.0 %	ASTM D638
Flexural Modulus	10300 MPa	ASTM D790
Flexural Strength	234 MPa	ASTM D790

Impact

	额定值 单位制	测试方法
Notched Izod Impact (3.20 mm)	69 J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	750 J/m	ASTM D4812

Thermal

	额定值 单位制	测试方法
Deflection Temperature Under Load		ASTM D648
0.45 MPa, 未退火	249 °C	
1.8 MPa, 未退火	232 °C	

Electrical

	额定值 单位制	测试方法
Dielectric Strength (in Oil, 方法 A (短时间))	30 kV/mm	ASTM D149

Flammability

	额定值 单位制	测试方法
Flame Rating		UL 94
0.8 mm	V-0	
3.0 mm	5VA	
Glow Wire Flammability Index (0.8 mm)	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature (0.8 mm)	850 °C	IEC 60695-2-13

Injection

	额定值 单位制
Drying Temperature	79 °C
Drying Time	4.0 hr
Dew Point	-18 °C
Processing (Melt) Temp	277 到 299 °C
Mold Temperature	66 到 107 °C
Injection Pressure	68.9 到 124 MPa

Injection Notes

Desiccant Type Dryer Required.