RTP ESD C 260H

Polyamide 66

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	Stainless steel fiber, 5.0% filler by weight		
Additive	Impact modifier		
Features	Impact modification Impact resistance, good Good toughness		
Agency Ratings	MIL B-81705B		
RoHS Compliance	Contact manufacturer		
Appearance	Black Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.14	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.5 - 2.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	51.7	MPa	ASTM D638
--	51.7	MPa	ASTM D638
Tensile Elongation (Break)	18	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength			ASTM D790
--	124	MPa	ASTM D790
Yield	124	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	270	J/m	ASTM D256
Unnotched Izod Impact	1100	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**

Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	218	°C	ASTM D648
1.8 MPa, not annealed	76.7	°C	ASTM D648
CLTE - Flow	7.4E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94
Additional Information			
Mold Shrinkage, Linear-Flow, ASTM D955, 0.25in.: 18-22mil/in.Tensile Elongation, ASTM D638: 15-20%NFPA Code 56A, static decay rate, 0.5 sec: passes			
Injection	**Nominal Value**	**Unit**	
Rear Temperature	260 - 288	°C	
Middle Temperature	260 - 288	°C	
Front Temperature	260 - 288	°C	
Mold Temperature	79.4 - 121	°C	
Injection Pressure	103 - 138	MPa	

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