

RTP 200 UV

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.

RTP 200 UV is a UV stabilized nylon 6/6 general purpose resin.

General Information				
Additive	UV stabilizer			
Features	Good UV resistance			
RoHS Compliance	Contact manufacturer			
Appearance	Black Natural color			
Forms	Particle			
Processing Method	Injection molding			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.14	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.2	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	121	110		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	82.7	62.1	MPa	ASTM D638
Tensile Elongation (Break)	5.0	30	%	ASTM D638
Flexural Modulus	2900	1310	MPa	ASTM D790
Flexural Strength	117	41.4	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (3.18 mm)	53	110	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	800 J/m	No Break		ASTM D4812
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	232	221	°C	ASTM D648
1.8 MPa, not annealed	90.6	71.1	°C	ASTM D648
CLTE - Flow	7.2E-5	--	cm/cm/°C	ASTM D696

Thermal Conductivity	0.25	--	W/m/K	ASTM C177
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength	22	21	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.70	4.70		ASTM D150
Dissipation Factor (1 MHz)	0.020	0.10		ASTM D150
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
--	--	V-2		UL 94
1.59 mm	V-2	--		UL 94

Additional Information

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The value listed as Flammability, UL 94, was tested in accordance with RTP test standards.

Injection	Dry	Unit
Drying Temperature	79.4	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Suggested Max Regrind	20	%
Rear Temperature	274 - 288	°C
Middle Temperature	274 - 288	°C
Front Temperature	274 - 288	°C
Mold Temperature	65.6 - 107	°C
Injection Pressure	82.7 - 124	MPa

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Recommended distributors for this material

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