RTP 2300 A UV

Thermoplastic Polyurethane Elastomer (Polyester)

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.
-Preliminary Product Data per RTP Co.-

General Information			
Additive	UV Stabilizer		
Features	Good UV Resistance		
RoHS Compliance	Contact Manufacturer		
Appearance	Black Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.20	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.17	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1380	MPa	ASTM D638
Tensile Strength	44.8	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	65.5	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	1300	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	2100	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	79.4	°C	
1.8 MPa, Unannealed	68.3	°C	
Injection	**Nominal Value**	**Unit**	
Drying Temperature	107	°C	
Drying Time	6.0	hr	
Suggested Max Moisture	0.010	%	
Suggested Max Regrind	20	%	
Rear Temperature	221 to 249	°C	

Middle Temperature	221 to 249	°C
Front Temperature	221 to 249	°C
Nozzle Temperature	229 to 274	°C
Mold Temperature	51.7 to 93.3	°C
Injection Pressure	68.9 to 103	MPa
Clamp Tonnage	5.5 to 11	kN/cm^2

Recommended distributors for this material

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