

RTP 1200 S-55D UV

Thermoplastic Polyurethane Elastomer (Polyester)

RTP Company

Message:

UV Stabilized

General Information			
Additive	UV stabilizer		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.90	%	ASTM D955
Moisture Content	0.020	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	172	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain	15.3	MPa	ASTM D412
100% strain	16.2	MPa	ASTM D412
300% strain	35.9	MPa	ASTM D412
Tensile Strength (Yield)	49.0	MPa	ASTM D412
Tensile Elongation (Yield)	420	%	ASTM D412
Tear Strength ¹	175	kN/m	ASTM D624
Compression Set ² (23°C, 22 hr)	25	%	ASTM D395B
Injection	Nominal Value	Unit	
Drying Temperature	107	°C	
Drying Time	6.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	204 - 221	°C	
Mold Temperature	26.7 - 60.0	°C	
Injection Pressure	41.4 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			
NOTE			
1.	C mould		
2.	Type 2		

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Recommended distributors for this material

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