

# RTP 1200-55D

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.

General Information			
RoHS Compliance		Contact manufacturer	
Forms		Particle	
Processing Method		Injection molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.80 - 1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 10 seconds	88		ASTM D2240
Shaw D	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	38.6	MPa	ASTM D638
Tensile Elongation (Yield)	400	%	ASTM D638
Additional Information			
Moisture Content: <0.02%			
Injection	Nominal Value	Unit	
Drying Temperature	87.8	°C	
Drying Time	4.0 - 6.0	hr	
Processing (Melt) Temp	185 - 218	°C	
Mold Temperature	37.8 - 60.0	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

