

# RTP 1200 S-85A

Thermoplastic Polyurethane Elastomer (Polyester)

RTP Company

## Message:

RTP 1200 S-85A is a thermoplastic polyurethane elastomer (polyester)(TPU-polyester) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.

General Information			
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.90	%	ASTM D955
Moisture Content		%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	83		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	5.02	MPa	ASTM D412
Tensile Strength <sup>1</sup> (Break, 3.20 mm)	29.7	MPa	ASTM D412
Tensile Elongation <sup>2</sup> (Break)	560	%	ASTM D412
Tear Strength <sup>3</sup>	100	kN/m	ASTM D624
Compression Set <sup>4</sup> (23°C, 22 hr)	25	%	ASTM D395B
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	199 - 216	°C	
Mold Temperature	26.7 - 65.6	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			
NOTE			
1.	C mold, 500 mm/min		
2.	Mouth die C, 500 mm/min		
3.	C mould		
4.	Type 2		

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Recommended distributors for this material

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