

RTP 1200 S-85A

TPU

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	5.02	MPa	ASTM D 412
Shore D Hardness	83	-	ASTM D 2240
Tear Strength	100	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	25	%	ASTM D 395
Tensile Strength at Break	29.7	MPa	ASTM D 412
Elongation at Break	557	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792
Moisture Content	0.02	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	4	h	-
Melt temperature	199 - 216	°C	-
Mold temperature	26.7 - 65.6	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific