

RTP 1200 S-90A

TPU

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.01	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	68.95	MPa	ASTM D 790
Modulus at 100% Elongation	7.18	MPa	ASTM D 412
Shore A Hardness	88	-	ASTM D 2240
Shore D Hardness	40	-	ASTM D 2240
Tensile Strength	33.9	MPa	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1210	kg/m ³	ASTM D 792
Moisture Content	0.02	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	87.8	°C	-
Pre-drying - Time	6	h	-
Melt temperature	193 - 218	°C	-
Mold temperature	15.6 - 32.2	°C	-
Injection pressure	34.5 - 68.9	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific