

RTP 1200 S-80A

TPU

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.009	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	5.7	MPa	ASTM D 412
Shore A Hardness	84	-	ASTM D 2240
Tear Strength	76.3	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	28	%	ASTM D 395
Tensile Strength	37.9	MPa	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1170	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	6	h	-
Melt temperature	182 - 216	°C	-
Mold temperature	15.6 - 32.2	°C	-
Injection pressure	27.6 - 68.9	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific