

RTP 1200 S-55D UV

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			
Flexural Modulus	172.4	MPa	ASTM D 790
Modulus at 100% Elongation	16.2	MPa	ASTM D 412
Shore D Hardness	55	-	ASTM D 2240
Tear Strength	175	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	25	%	ASTM D 395

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	107	°C	-
Pre-drying - Time	6	h	-
Melt temperature	204 - 221	°C	-
Mold temperature	26.7 - 60	°C	-
Injection pressure	41.4 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

U.V. stabilized or stable to weather