

RTP 1205 S-80A

TPU-GF30

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	482.6	MPa	ASTM D 638
Tensile Strength	20.7	MPa	ASTM D 638
Flexural Modulus	344.7	MPa	ASTM D 790
Flexural Strength	15.2	MPa	ASTM D 790
Shore A Hardness	90	-	ASTM D 2240
Izod Impact notched, 1/8 in	534	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.59	mm	-

Other properties	Value	Unit	Test Standard
Density	1400	kg/m ³	ASTM D 792
Moisture Content	0.01	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	107	°C	-
Pre-drying - Time	6	h	-
Melt temperature	185 - 218	°C	-
Mold temperature	37.8 - 60	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific