

RTP 6042-50A

TPE

RTP Company

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	1.52	MPa	ASTM D 412
Shore A Hardness	50	-	ASTM D 2240
Tear Strength	26.3	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	20	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	75	%	ASTM D 395
Tensile Strength	7.58	MPa	ASTM D 412
Elongation at Break	430	%	ASTM D 412

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.794	mm	-

Other properties	Value	Unit	Test Standard
Density	1090	kg/m ³	ASTM D 792
Moisture Content	0.03	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	193 - 238	°C	-
Mold temperature	21.1 - 48.9	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific