

VLF 82307 A

TPU-GF40

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0015	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	9997	MPa	ASTM D 638
Tensile Strength	228	MPa	ASTM D 638
Flexural Modulus	9997	MPa	ASTM D 790
Flexural Strength	324	MPa	ASTM D 790
Izod Impact notched, 1/8 in	480	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	-
DTUL @ 264 psi	93.3	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1510	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	221 - 243	°C	-
Mold temperature	51.7 - 93.3	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific