

RTP 2287 A

PEK-CF40

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	37230	MPa	ASTM D 638
Tensile Strength	290	MPa	ASTM D 638
Flexural Modulus	31030	MPa	ASTM D 790
Flexural Strength	427	MPa	ASTM D 790
Izod Impact notched, 1/8 in	90.7	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.59	mm	-
DTUL @ 264 psi	316	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1450	kg/m ³	ASTM D 792
Moisture Content	0.1	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	179	°C	-
Pre-drying - Time	2	h	-
Melt temperature	385 - 413	°C	-
Mold temperature	179 - 218	°C	-
Injection pressure	68.9 - 138	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific