

RTP 4005 TFE 10 FR
(PPA+PTFE)-GF30

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.00225	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	14480	MPa	ASTM D 638
Tensile Strength	138	MPa	ASTM D 638
Flexural Modulus	13100	MPa	ASTM D 790
Flexural Strength	186	MPa	ASTM D 790
Rockwell Hardness	R 125	-	ASTM D 785
Izod Impact notched, 1/8 in	53.4	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	266	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1770	kg/m ³	ASTM D 792
Moisture Content	0.05	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	107	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	302 - 329	°C	-
Mold temperature	135 - 163	°C	-
Injection pressure	68.9 - 124	MPa	-

Characteristics**Processing**

Injection Molding

Additives

Lubricants

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific