

RTP 204 D TFE 15 FR
(PA612+PTFE)-GF25

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.00275	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	8963	MPa	ASTM D 638
Tensile Strength	117	MPa	ASTM D 638
Flexural Modulus	8618	MPa	ASTM D 790
Flexural Strength	179	MPa	ASTM D 790
Rockwell Hardness	R 117	-	ASTM D 785
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-1	-	UL 94
Thickness tested	0.794	mm	-
DTUL @ 66 psi	221	°C	ASTM D 648
DTUL @ 264 psi	216	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	19.7	kV/mm	ASTM D 149

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1640	kg/m ³	ASTM D 792
Moisture Content	0.2	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	79.4	°C	-
Pre-drying - Time	4	h	-
Melt temperature	249 - 285	°C	-
Mold temperature	60 - 93.3	°C	-
Injection pressure	68.9 - 124	MPa	-

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant

Additives

Lubricants

Regional Availability

North America, Europe, Asia Pacific