

RTP 4007 FR A HS

PPA-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	15860	MPa	ASTM D 638
Tensile Strength	165	MPa	ASTM D 638
Flexural Modulus	15170	MPa	ASTM D 790
Flexural Strength	231	MPa	ASTM D 790
Izod Impact notched, 1/8 in	85.4	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.794	mm	-
DTUL @ 264 psi	271	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.12	%	ASTM D 570
Density	1810	kg/m ³	ASTM D 792
Moisture Content	0.05	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	79	°C	-
Pre-drying - Time	6	h	-
Melt temperature	302 - 329	°C	-
Mold temperature	135 - 163	°C	-
Injection pressure	69 - 124	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant, Heat stabilized or stable to heat