

RTP 152

PP

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0175	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	1517	MPa	ASTM D 638
Tensile Strength	30.3	MPa	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	1310	MPa	ASTM D 790
Flexural Strength	37.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	37.4	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.794	mm	-
DTUL @ 66 psi	104	°C	ASTM D 648
DTUL @ 264 psi	54.4	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	27.6	kV/mm	ASTM D 149
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.01	%	ASTM D 570
Density	930	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	79.4	°C	-
Pre-drying - Time	2	h	-
Melt temperature	191 - 232	°C	-
Mold temperature	32.2 - 65.6	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant