

RTP 3400 G-345

LCP-GF

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	13100	MPa	ASTM D 638
Tensile Strength	117	MPa	ASTM D 638
Flexural Modulus	13790	MPa	ASTM D 790
Flexural Strength	152	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	0.533	mm	-
DTUL @ 264 psi	254	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	35.4	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.031	-	ASTM D 150
Dielectric Constant, 1 MHz	3.4	-	ASTM D 150

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1760	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	8	h	-
Melt temperature	332 - 366	°C	-
Mold temperature	65.6 - 121	°C	-
Injection pressure	82.7 - 124	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant