

GATONE™ - 5330GF, 630GF

Typical Values⁽¹⁾

Test Properties	ASTM Method	U.S. Customary units		SI units	
		Value	Units	Value	Units
General					
Specific Gravity	D 792	1.50	-	1.50	-
Filler content	-	30	-	30	-
Water Absorption, 24 hours	D 570	0.08	%	0.08	%
Mechanical					
Tensile Strength	D 638	22.9	kpsi	160	MPa
Tensile Modulus	D 638	1430	kpsi	10000	MPa
Tensile Elongation at Break	D 638	2.50	%	2.50	%
Flexural Strength	D 790	37.20	kpsi	260	MPa
Flexural Modulus	D 790	1430	kpsi	10000	MPa
Rockwell Hardness	D 785	102	M Scale	102	M Scale
Impact Strength- Notched Izod	D 256	1.80	ft-lb./in	95	J/m
Thermal					
DTUL 264 psi (1.82 MPa)	D 648	600	°F	315	°C
Glass Transition Temp.	D 3482	298	°F	148	°C
Continuous Use Temp ⁽²⁾	UL 746B	500	°F	260	°C
Coefficient of Linear Thermal Expansion	D 698	0.72	10 ⁻⁵ /°F	1.30	10 ⁻⁵ /°C
Electrical					
Dielectric Strength	D 149	506	V/mil	20.0	kV/mm
Dielectric Constant @ 60 Hz	D 150	2.9		2.9	-
Dissipation Factor @ 60 Hz	D 150	0.003		0.003	
Volume Resistivity	D 257	>10 ¹⁶	ohm-cm	>10 ¹⁶	ohm-cm
Surface Resistivity	D 257	>10 ¹⁴	Ω	>10 ¹⁴	Ω
Comparative Tracking Index	D 3638	150	V	150	V
Flammability					
Flammability @ 0.8 mm thickness	UL 94	V-0		V-0	
Limiting Oxygen Index	D 2863	45	%	45	%

1. These properties has been determined from injection molded test specimen under ideal processing parameters and conditioned at 23+/- 2°C and 50%RH .

2. Expected Approvals

- UL Flammability