

GATONE™ - 5330FC, 5630FC

Typical Values⁽¹⁾

Test Properties	ASTM Method	U.S. Customary units		SI units	
		Value	Units	Value	Units
General					
Specific Gravity	D 792	1.42	-	1.42	-
Filler content	-	30	%	30	%
Water Absorption, 24 hours	D 570	0.08	%	0.08	%
Mechanical					
Tensile Strength	D 638	20.0	kpsi	140	MPa
Tensile Modulus	D 638	1716	kpsi	12000	MPa
Tensile Elongation at Break	D 638	2.50	%	2.50	%
Flexural Strength	D 790	30.0	kpsi	210	MPa
Flexural Modulus	D 790	1590	kpsi	11100	MPa
Rockwell Hardness	D 785	90	M scale	90	M scale
Impact Strength- Notched Izod	D 256	1.0	ft-lb./in	50	J/m
Thermal					
DTUL at 264 psi (1.82 MPa)	D 648	599	°F	315	°C
Glass Transition Temp.	D 3482	298	°F	148	°C
Continuous Use Temp ⁽²⁾	UL -746B	500	°F	260	°C
Coefficient of Thermal Linear Expansion	D 698	0.63	10 ⁻⁵ /°F	1.14	10 ⁻⁵ /°C
Flammability					
Flammability @ 0.8 mm thickness	UL 94	V-0		V-0	
Limiting Oxygen Index	D 2863	30	%	30	%

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 Approval
 - UL Flammability

