

GATONE™ - 5330CF, 5630CF

Typical Values⁽¹⁾

Test Properties	ASTM Method	U.S. Customary units			SI units
		Value	Units	Value	Units
General					
Specific Gravity	D 792	1.40	-	1.40	-
Filler content	-	30	-	30	-
Water Absorption, 24 hours	D 570	0.08	%	0.08	%
Mechanical					
Tensile Strength	D 638	31.5	kpsi	220	MPa
Tensile Modulus	D 638	3146	kpsi	22000	MPa
Tensile Elongation at Break	D 638	2.5	%	2.5	%
Flexural Strength	D 790	50.0	kpsi	350	MPa
Flexural Modulus	D 790	2574	kpsi	18000	MPa
Rockwell hardness	D 785	105	M scale	105	M scale
Impact Strength- Notched Izod	D 256	1..5	ft-lb/in	80	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⁾	UL746B	500	°F	260	°C
Coefficient of Linear Thermal Expansion	D 698	1.76	10 ⁻⁵ /°F	3.16	10 ⁻⁵ /°F
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 Approval
 - UL Flammability