

Property	Method	Unit	Value				
			GP-grade	SA-grade	SJ-grade	SN-grade	VA-grade
Coefficient of thermal linear expansion	ASTM D696	°C ⁻¹	8 X 10 ⁻⁵	8 x 10 ⁻⁵	8 X10 ⁻⁵	9 X10 ⁻⁵	8 X10 ⁻⁵
Deflection temperature under load 0.45 MPa	ISO 75-1 Edgewise direction	°C	101	104	103	108	108
Deflection temperature under load 1.80 MPa	ISO 75-1 Edgewise direction	°C	92	96	94	99	99
Tensile strength	ISO 527-1	MPa	72	66	72	74	75
Elongation at break	ISO 527-1	%	5.0	4.3	5.6	5.4	5.3
Flexural strength	ISO 178	MPa	118	115	104	116	119
Flexural modulus	ISO 178	MPa	3210	3157	3242	3179	3435
Charpy impact strength	ASTM D256	J/m	28.6	28	27.5	28.3	28
Rockwell hardness	ISO 2039-2	HRM	95	98	97	99	99
Surface resistivity	ASTM D257	Ω	4 X 10 ¹⁵	1 X 10 ¹⁶	3 X 10 ¹⁶	2 X 10 ¹⁶	7 X 10 ¹⁵
Volume resistivity	ASTM D257	Ω.cm	9 X 10 ¹⁵	9 X 10 ¹⁶	4 X 10 ¹⁶	5 X 10 ¹⁶	2 X 10 ¹⁶
Dielectric breakdown	ASTM D149	kV	49	52	50	48	51
Dielectric strength	ASTM D149	kV/mm	16	16.10	16	16	16
Specific gravity	ISO 1183	-	1.19	1.19	1.19	1.19	1.19
Water absorption (23°C , 24h)	ISO 62	%	0.2	0.2	0.2	0.2	0.2

The above data are typical laboratory values and are intended to serve as guides only (not guarantee)