

## Property Table

Property	Method	Unit	Value				
			GP-grade	SA-grade	SJ-grade	SN-grade	VA-grade
Coefficient of thermal linear expansion	ASTM D696	°C <sup>-1</sup>	8 X 10 <sup>-6</sup>	8 x 10 <sup>-6</sup>	8 X10 <sup>-6</sup>	9 X10 <sup>-6</sup>	8 X10 <sup>-6</sup>
Deflection temperature under load 0,45 MPa	ISO 75-1 Edgewise direction	°C	101	104	103	106	106
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	4x10 <sup>15</sup>	1 X 10 <sup>16</sup>	3 X 10 <sup>16</sup>	2 X 10 <sup>16</sup>	7 X 10 <sup>15</sup>
Volume resistivity	ASTM D257	Ω .cm	9x10 <sup>15</sup>	9 X 10 <sup>16</sup>	4 X 10 <sup>16</sup>	5 X 10 <sup>16</sup>	2 X 10 <sup>16</sup>
Dielectric breakdown	ASTM D149	kV	48	52	50	48	51
Dielectric strength	ASTM D149	kV/mm	16	16	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)*