

Polycarbonate+ (PC+)

Poly (bisphenol-A Carbonate)

% by w	Content
> 99 %	Polycarbonate
< 1 %	Additives

Physical	Test Method	Nominal Value (SI)
Specific Gravity	ASTM D-792	$1.20 \frac{g}{cm^3}$
Molding Shrinkage	ASTM D-955	0.005 to 0.0070 mm
Mechanical		
Tensile Strength		
Yield	ASTM D-638	61.8 MPa
Yield	ISO 527	65.0 MPa
Break	ISO 527	75 MPa
Tensile Elongation		
Yield	ASTM D-638	6.0 %
Yield	ASTM D-638	110.0 %
Break	ISO 527	120 %
Flexural Modulus	ASTM D-790	2350 MPa
Flexural Modulus	ISO 178	2400 MPa
Flexural Yield Strength	ASTM D-790	90.2 Mpa
Flexural Yield Strength	ISO 178	90.0 MPa

Impact		
Notched Izod Impact		
0.125 in (3.18 mm)	ASTM D-256	850 $\frac{J}{m}$
--	ISO 180/1A	80 $\frac{kJ}{m^2}$
Charpy Notched Impact Strength (23°C)	ISO 179	75 $\frac{kJ}{m^2}$
Hardness		
Rockwell Hardness (M-Scale)	ASTM D-785	77
Ball Indentation Hardness (H 358/30)	ISO 2039-1	100 MPa
Thermal		
Deflection Temperature Under Load		
66 psi (0.455 MPa), Unannealed	ASTM D-648	136 °C
264 psi (1.8 MPa), Unannealed	ASTM D-648	125 °C
264 psi (1.8 MPa), Unannealed	ISO 75-2/A	128 °C
264 psi (1.8 MPa), Annealed	ISO 75-2/A	143 °C
Electrical		
Volume Resistivity	ASTM D-257	3.0E+16 Ohm*cm
Dielectric Strength	ASTM D-149	30 kV/mm
Dielectric Constant		
60 Hz	ASTM D-150	2.95
1 MHz	ASTM D-150	2.90
Dissipation Factor		
60 Hz	ASTM D-150	4.0E-4

1 MHz	ASTM D-150	9.0E-3
Arc Resistance	ASTM D-495	110 sec