



## Technical Data Sheet

Item	<b>CARBOREX PC General Sheet</b>
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Section	Properties	Unit	Value	Method
Flame Characteristics	UL Recognition	Class	V-2	UL 94
Physical	Specific Gravity	g/cm <sup>3</sup>	1.2	ASTM D792
	Water absorption rate	%	0.2	ASTM D 570 ( 23°C, 24hr )
Optical	Total Transmittance	%	87	ASTM D1003
	Haze	%	< 1.0	ASTM D1003
	Refractive index	-	1.59	ISO 489
Mechanical	Tensile Strength at Yield	MPa	65	ASTM D 638
	Tensile Modulus of Elasticity	GPa	2.55	ASTM D 638
	Elongation at Break	%	85	ASTM D 638
	Flexural Strength	MPa	95	ASTM D 790
	Flexural Modulus	GPa	2.7	ASTM D 790
	Izod Impact Strength	J/m	870	ASTM D 256 (Notched)
	Rockwell Hardness	R Scale	115	ASTM D 785
Thermal	Heat Distortion Temp. ( @1.8MPa )	°C	135	ASTM D648
	Heat Distortion Temp. ( @0.45MPa )	°C	140	ASTM D648
	Vicat Softening Temp.	°C	146	ASTM D1525

※ All above typical values are not guaranteed but for reference only.  
All actual values should be approved by the customer.