

Technical Data Sheet

Item	CARBOREX PC Sheet
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Section	Properties	Unit	Value	Method
Physical	Density	g/cm ³	1.2	ISO 1183-1
	Water absorption rate	%	0.2	ISO 62 (23°C, 24hr)
Optical	Total Transmittance	%	89	ASTM D1003
	Haze	%	< 1.0	ASTM D1003
	Refractive index	-	1.59	ISO 489
Mechanical	Tensile Strength at Yield	MPa	65	ISO 527-2
	Tensile Modulus of Elasticity	GPa	2.55	ISO 527-2
	Elongation at Break	%	75	ISO 527-2
	Flexural Strength	MPa	93	ISO 178
	Flexural Modulus	GPa	2.7	ISO 178
	Charpy Impact Strength	KJ/m ²	72	ISO 179-1
	Rockwell Hardness	R Scale	115	ISO 2039
Thermal	Heat Distortion Temp. (@1.8MPa)	°C	134	ISO 75-2
	Heat Distortion Temp. (@0.45MPa)	°C	138	ISO 75-2
	Vicat Softening Temp.	°C	146	ISO 306
	Coefficient of Thermal expansion	cm/cm/°C	6.5×10 ⁻⁵	ASTM D696
	Flamability	-	V0, V2	UL 94
Electical	Dielectric Constant (60Hz)	%	3.1	ASTM D150
	Volume Resistivity	ohm-m	< 10 ¹³	ASTM D257

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