

Technical Data Sheet

Item	CARBOREX PC [FR] Sheet
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Section	Properties	Unit	Value	Method
Flame Characteristics	UL Recognition	Class	V-0	UL 94
Physical	Specific Gravity	g/cm ³	1.21	ASTM D 792
	Water absorption rate	%	0.2	ASTM D 570
Optical	Total Transmittance	%	85	ASTM D1003
	Haze	%	< 2.0	ASTM D1003
	Refractive index	-	1.59	ASTM D 542
Mechanical	Tensile Strength at Yield	MPa	65	ASTM D 638
	Tensile Modulus of Elasticity	GPa	2.56	ASTM D 638
	Elongation at Break	%	75	ASTM D 638
	Flexural Strength	MPa	92	ASTM D 790
	Flexural Modulus	GPa	2.5	ASTM D 790
	Izod Impact Strength	J/m	850	ASTM D 256 (Notched)
	Rockwell Hardness	R Scale	118	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.