

Technical Data Sheet

Robaflow[®] PC

PC

Typical characteristics

- Low coefficient of thermal expansion
- Good surface quality
- High breaking strength
- High bending strength

Typical industries

- Paper Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,2
Water absorption	DIN EN ISO 62	%	0,2
Mechanical properties			
Elongation at break	DIN EN ISO 527	%	80
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2300
Tensile strength	DIN EN ISO 527	MPa	65
Notched impact strength	DIN EN ISO 179	kJ / m ²	20
Ball indentation hardness (H358/30)	DIN EN ISO 2039-1	MPa	130
Shore hardness	DIN EN ISO 868 / 15 sec	scale D	82
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,21
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	70

The data given are standard values which are based on our experience & previous technical studies. These values are influenced by the design, processing conditions and environmental influences. Typing & printing errors reserved.

ROBAFLOW-PC is not chemical resistant against aggressive media used in paper industry for cleaning and boil out process. Therefore it is absolute necessary to dismantle it during cleaning and boil out process.

