Röchling

Industrial

Technical Data Sheet

Robaflow® PC

Product characteristics

- Low coefficient of thermal expansion
- Very good surface quality
- High breaking and bending strength

Product applications

- Paper industry / headbox vanes

	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

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.

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.

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INTEGRATED MANAGEMENT SYSTEM