

## Technical Data Sheet

# Robaflow<sup>®</sup> PC

### Typical characteristics

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

### Typical industries

- 제지 산업

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,2
Water absorption	DIN EN ISO 62	%	0,2
<b>Mechanical properties</b>			
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 <sup>2</sup>	20
Ball indentation hardness (H358/30)	DIN EN ISO 2039-1	MPa	130
Shore hardness	DIN EN ISO 868 / 15 sec	scale D	82
<b>Thermal properties</b>			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,21
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / 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.

