Technical Data Sheet

Robaflow® S

PPE

Typical characteristics

- High stiffness
- Chemical resistant

Typical industries

- Paper Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,06
Flammability	UL 94		HB
Moisture Absorption (23°C, 50% RH)	DIN EN ISO 62	%	0,06
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	30
Elongation at break	DIN EN ISO 527	%	>50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1500
Notched impact strength	ISO 179-1/1eA	kJ / m^2	17
Shore hardness	DIN EN ISO 868	scale D	78
Ball indentation hardness (H358/30)	DIN EN ISO 2039-1	MPa	70
Thermal properties			
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	70 - 90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	115
Electrical properties			
Dielectric constant	IEC 60250		2,7
Volume resistivity	DIN EN 62631-3-1	Ω * cm	10^{15}
Surface resistivity	DIN EN 62631-3-2	Ω	$>10^{15}$