



Technical data sheet

ISOFORM 450 PPC

Key benefits

Rigid and tough
Thermoformable and weldable
Chemical and corrosion resistant

General application

Industrial application
Chemical technology
Food industry

	Test method	Unit	Value
General properties			
Density	DIN 53479	g/cm ³	0,91
Filler content		%	
Mechanical Properties			
Tensile modulus	ISO 527	MPa	1100
Tensile strength	ISO 527	MPa	24
Elongation at break	ISO 527	%	>250
Flexural modulus	ISO 178	MPa	
Charpy notched impact strength at 23°C	ISO 179	kJ/m ²	
Charpy unnotched impact strength at 23°C	ISO 179	kJ/m ²	nb
Hardness	ISO 868	Shore D	66
Thermal properties			
Melting temperature	ISO 3146	°C	165
Vicat softening temperature - A50	ISO 306/A50	°C	
Vicat softening temperature - B50	ISO 306/B50	°C	
Heat deflection temperature B (0.45 MPa)	ISO 75B	°C	90
Heat deflection temperature A (1.80 MPa)	ISO 75A	°C	
Service temperature (intermittent)		°C	120
Service temperature (long term)		°C	- 20 ... 100
Other properties			
Surface resistivity	LabeOHM	Ω	>10 ¹⁴
Water absorption	24h/RT	%	<0,01
Flammability (thickness 3 mm)	UL94		HB
Mould shrinkage	Compared to a reference form	%	Longitudinal: / Transverse: /

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