



Technical data sheet

ISOFORM 450 PPC/FOAM

Key benefits

Light weight polypropylene foam
Rigid
Closed cell

General application

Light weight construction
Inter body panel
Layer pad

	Test method	Unit	Value
General properties			
Density	DIN 53479	g/cm ³	0,45
Filler content		%	
Mechanical Properties			
Tensile modulus	ISO 527	MPa	300
Tensile strength	ISO 527	MPa	5
Elongation at break	ISO 527	%	>20
Flexural modulus	ISO 178	MPa	350
Charpy notched impact strength at 23°C	ISO 179	kJ/m ²	4
Charpy unnotched impact strength at 23°C	ISO 179	kJ/m ²	
Hardness	ISO 868	Shore D	45
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	
Heat deflection temperature A (1.80 MPa)	ISO 75A	°C	
Service temperature (intermittent)		°C	100
Service temperature (long term)		°C	- 20 ... 90
Other properties			
Surface resistivity	LabeOHM	Ω	>10 ¹⁴
Water absorption	24h/RT	%	<0,1
Flammability (thickness 3 mm)	UL94		HB
Mould shrinkage	Compared to a reference form	%	Longitudinal: / Transverse: /

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