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ISOKON
INNOVATIVE PLASTICS SOLUTIONS
ISOFORM

Technical data sheet

ISOFORM 360 PEHD

Key benefits

Tough at lower temperature
Thermoformable and weldable
Moisture and chemical resistant

General application

Processing equipment
Chemical engineering
Food industry

	Test method	Unit	Value
General properties			
Density	DIN 53479	g/cm^3	0,95
Filler content		%	
Mechanical Properties			
Tensile modulus	ISO 527	MPa	1000
Tensile strength	ISO 527	MPa	24
Elongation at break	ISO 527	%	>250
Flexural modulus	ISO 178	MPa	1050
Charpy notched impact strength at 23°C	ISO 179	kJ/m^2	15
Charpy unnotched impact strength at 23°C	ISO 179	kJ/m^2	nb
Hardness	ISO 868	Shore D	64
Thermal properties			
Melting temperature	ISO 3146	°C	135
Vicat softening temperature - A50	ISO 306/A50	°C	124
Vicat softening temperature - B50	ISO 306/B50	°C	75
Heat deflection temperature B (0.45 MPa)	ISO 75B	°C	
Heat deflection temperature A (1.80 MPa)	ISO 75A	°C	
Service temperature (intermittent)		°C	90
Service temperature (long term)		°C	- 40 … 80
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: /