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ISOKON
INNOVATIVE PLASTICS SOLUTIONS
ISOFORM

Technical data sheet

ISOFORM 360 PEEL B

Key benefits

Electro conductive
Weldable
Thermoformable

General application

Processing equipment
Chemical engineering
Industrial packaging

	Test method	Unit	Value
General properties			
Density	DIN 53479	g/cm^3	1,07
Filler content		%	20
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	70
Thermal properties			
Melting temperature	ISO 3146	°C	135
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	90
Service temperature (long term)		°C	- 20 … 80
Other properties			
Surface resistivity	LabeOHM	Ω	$<10^6$
Water absorption	24h/RT	%	<0,1
Flammability (thickness 3 mm)	UL94		HB
Mould shrinkage	Compared to a reference form	%	Longitudinal: /
			Transverse: /