

Technical data sheet

ISOFORM PPEPM20

Key benefits

Elastomer modified
Excellent thermoformability
Good low temperature impact strength

General application

Thermoforming
Bumper protection
Automotive industry

	Test method	Unit	Value
General properties			
Density	DIN 53479	g/cm ³	0,9
Filler content		%	
Mechanical Properties			
Tensile modulus	ISO 527	MPa	720
Tensile strength	ISO 527	MPa	15
Elongation at break	ISO 527	%	>200
Flexural modulus	ISO 178	MPa	580
Charpy notched impact strength at 23°C	ISO 179	kJ/m ²	74
Charpy notched impact strength at -20°C	ISO 179	kJ/m ²	61
Hardness	ISO 868	Shore D	60
Thermal properties			
Melting temperature	ISO 3146	°C	171
Vicat softening temperature - A120	ISO 306/A120	°C	136
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	- 40 ... 80
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: 1,4±0,3 Transverse: 1,4±0,3

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