



## Technical data sheet

### ISOFORM 456GF30 PPC (TC)

#### Key benefits

Thermoformability  
Rigid and tough  
Glass fibers filled

#### General application

Thermoforming  
Automotive  
Trays

	Test method	Unit	Value
<b>General properties</b>			
Density	DIN 53479	g/cm <sup>3</sup>	1,14
Filler content		%	30
<b>Mechanical Properties</b>			
Tensile modulus	ISO 527	MPa	2900
Tensile strength	ISO 527	MPa	38
Elongation at break	ISO 527	%	>2
Flexural modulus	ISO 178	MPa	
Charpy notched impact strength at 23°C	ISO 179	kJ/m <sup>2</sup>	
Charpy unnotched impact strength at 23°C	ISO 179	kJ/m <sup>2</sup>	
Hardness	ISO 868	Shore D	77
<b>Thermal properties</b>			
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	120
Service temperature (long term)		°C	- 20 ... 100
<b>Other properties</b>			
Surface resistivity	LabeOHM	Ω	>10 <sup>14</sup>
Water absorption	24h/RT	%	<0,1
Flammability (thickness 3 mm)	UL94		HB
Mould shrinkage <small>(VALUES MAY ONLY BE USED AS INDICATION, AND SHOULD NOT BE USED DIRECTLY IN MOULD DESIGN WITHOUT PRIOR VALIDATION)</small>	Compared to a reference form	%	Longitudinal: 0,7±0,3 Transverse: 0,7±0,3

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