

Material

PPE 38568

beige

Fillers: glass fibres

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Physical properties

	nominal range	typical values	
Density DIN EN ISO 1183-1, 23 °C	---	1.30	g/cm ³
Ball indentation hardness DIN EN ISO 2039-1, 23 °C	---	205	MPa
Impact strength DIN EN ISO 179-1, Charpy	---	37	kJ/m ²
Tensile modulus DIN EN ISO 527-2, 1 mm/min	---	4100	MPa
Tensile strength DIN EN ISO 527-2	---	73	MPa
Elongation at break DIN EN ISO 527-2, 50mm/min	---	5	%
Flexural stress ISO 178, 2mm/min, 10 N	---	116	MPa
Flexural modulus DIN EN ISO 178, 2 mm/min, 10 N	---	3900	MPa
Compressive Strength ISO 604, 1%, 2mm/min, 10 N	---	23	MPa
Compressive Strength ISO 604, 2%, 2mm/min, 10 N	---	41	MPa
Compressive Strength ISO 604, 5%, 2mm/min, 10 N	---	91	MPa
compression modulus EN ISO 604	---	3300	MPa
Low Temperature ISO 11357-2, DSC	---	150	°C
Thermal conductivity ISO 22007-4:2008	---	0.28	W/m*K
Surface resistivity DIN IEC 60093	---	1e+014	Ohm
Durchgangswiderstand	---	1e+014	Ohm

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water adsorption DIN EN ISO 62, 24 h, 23 °C		---	0.01	%
water adsorption DIN EN ISO 62, 96 h, 23 °C		---	0.02	%
Flammability DIN IEC 60695-11-10, UL94		---	HB	
Temperature range	to 85°C		short term: 110°C	
Declarations of conformity No data found!				

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No ASTM D2000 properties available

The given values are based on a limited number of tests on standard test pieces (2mm sheets). The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry.

The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

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