POLYfill

PPH GF1020

Glass fibre-reinforced

Property	Value	Unit	Standard
Density	1,05	g/cm³	ISO 1183
MFI at 230°C/2,16kg	1	g/10min	ISO 1133
Flexural modulus at +23°C	3000	MPa	ISO 178
Maximum flexural strength	40	MPa	ISO 178
Maximum tensile strength	45	MPa	ISO 527-2
Elongation at break	5	%	ISO 527-2
Elongation at yield		%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	5	kJ/m²	ISO 179
Notched Charpy at -20°C	4	kJ/m²	ISO 179
Unnotched Charpy at +23°C		kJ/m²	ISO 179
Unnotched Charpy at -20°C		kJ/m²	ISO 179
Filler content	20	±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	120	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	75	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)		°C	ISO 306
Vicat 50°C/h at 49,05N (B)	90	°C	ISO 306
Flammability			
GWT at 2 mm	750	°C	IEC 695-2-1
UL94 at 1.6 mm	HB*		UL94
Mould shrinkage (with flow)	0,4	%	ISO 294-4
Mould shrinkage (across flow)	0,8	%	ISO 294-4

*UL file no. E122538

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