

POLYfill

PPC TS20020

Mineral reinforced

Property	Value	Unit	Standard
Density	1,04	g/cm ³	ISO 1183
MFI at 230°C/2,16kg	20	g/10min	ISO 1133
Flexural modulus at +23°C	2000	MPa	ISO 178
Maximum flexural strength	50	MPa	ISO 178
Maximum tensile strength	30	MPa	ISO 527-2
Elongation at break	30	%	ISO 527-2
Elongation at yield	6	%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	5	kJ/m ²	ISO 179
Notched Charpy at -20°C	2	kJ/m ²	ISO 179
Unnotched Charpy at +23°C	NB	kJ/m ²	ISO 179
Unnotched Charpy at -20°C	NB	kJ/m ²	ISO 179
Filler content	20	±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	112	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	67	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	145	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	75	°C	ISO 306
Flammability			
GWT at 2 mm		°C	IEC 695-2-1
UL94 at 1.6 mm			UL94
Mould shrinkage (with flow)	1,0-1,2	%	ISO 294-4
Mould shrinkage (across flow)	1,0-1,2	%	ISO 294-4
Scratch resistance			
10 N Fine structure	1,8	dL	ISO 1518/D65
Coefficient of linear thermal expansion (CLTE)	70-90	10E-6/°C	Polykemi

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