

# POLYfill

## PPH BF405510 VT1

Reinforced  
Heat resistant

Property	Value	Unit	Standard
Density	1,84	g/cm <sup>3</sup>	ISO 1183
MFI at 230°C/2,16kg	5	g/10min	ISO 1133
Flexural modulus at +23°C	5000	MPa	ISO 178
Maximum flexural strength	55	MPa	ISO 178
Tensile modulus at +23°C	5500	MPa	ISO 527-2
Maximum tensile strength	28	MPa	ISO 527-2
Elongation at break	2,2	%	ISO 527-2
Elongation at yield	2,0	%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	6	kJ/m <sup>2</sup>	ISO 179
Notched Charpy at -20°C	5	kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at +23°C	22	kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at -20°C	22	kJ/m <sup>2</sup>	ISO 179
Izod notched at +23°C	5	kJ/m <sup>2</sup>	ISO 180/4A
Filler content	65	±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)	147	°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	105	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)	155	°C	ISO 306
Vicat 50°C/h at 49,05N (B)	98	°C	ISO 306
Heat aging at 150°C, passes	336	hours	Polykemi
Flammability			
GWT at 2 mm	750	°C	IEC 695-2-1
UL94 at 1.6 mm	HB		UL94
Mould shrinkage (with flow)	0,45	%	ISO 294-4
Mould shrinkage (across flow)	1,5	%	ISO 294-4
Coefficient of linear thermal expansion (CLTE)	55-65	10E-6/°C	Polykemi

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