

# POLYform

## POM C M90 K5

Mineral reinforced

Property	Value	Unit	Standard
Density	1,44	g/cm <sup>3</sup>	ISO 1183
MFI at 190°C/2,16kg	8	g/10min	ISO 1133
Flexural modulus at +23°C	2700	MPa	ISO 178
Maximum flexural strength	93	MPa	ISO 178
Maximum tensile strength	62	MPa	ISO 527-2
Elongation at break		%	ISO 527-2
Elongation at yield	8	%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	7	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		kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at -20°C		kJ/m <sup>2</sup>	ISO 179
Filler content		±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)		°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)	100	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)		°C	ISO 306
Vicat 50°C/h at 49,05N (B)	150	°C	ISO 306
Flammability			
GWT at 2 mm		°C	IEC 695-2-1
UL94 at 1.6 mm	HB*		UL94
Mould shrinkage (with flow)	1,8-2,0	%	ISO 294-4
Mould shrinkage (across flow)	1,8-2,0	%	ISO 294-4

\*UL file no. E122538

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