

POLYform

POM C M90 GF10

Property	Value	Unit	Standard
Density	1,48	g/cm ³	ISO 1183
MFI at 190°C/2,16kg	9	g/10min	ISO 1133
Flexural modulus at +23°C	4000	MPa	ISO 178
Maximum flexural strength	105	MPa	ISO 178
Maximum tensile strength	70	MPa	ISO 527-2
Elongation at break	7	%	ISO 527-2
Elongation at yield		%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	6	kJ/m ²	ISO 179
Notched Charpy at -20°C		kJ/m ²	ISO 179
Unnotched Charpy at +23°C		kJ/m ²	ISO 179
Unnotched Charpy at -20°C		kJ/m ²	ISO 179
Filler content	10	±2%	ISO 3451
Heat Distortion Temperature			
HDT 120°C/h at 455kPa (B)		°C	ISO 75/1
HDT 120°C/h at 1820kPa (A)		°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)		°C	ISO 306
Vicat 50°C/h at 49,05N (B)	155	°C	ISO 306
Flammability			
GWT at 3.2 mm		°C	IEC 695-2-1
UL94 at 1.6 mm	HB		UL94
Mould shrinkage (with flow)	0,9-1,4	%	ISO 294-4
Mould shrinkage (across flow)	0,9-1,4	%	ISO 294-4
Hardness Shore A (15 s)		Shore A	D2240
Hardness Shore D (15 s)		Shore D	D2240

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