

# POLYform

## POM C M270 UV

Property	Value	Unit	Standard
Density	1,41	g/cm <sup>3</sup>	ISO 1183
MFI at 190°C/2,16kg	27	g/10min	ISO 1133
Flexural modulus at +23°C	2700	MPa	ISO 178
Maximum flexural strength	85	MPa	ISO 178
Maximum tensile strength	60	MPa	ISO 527-2
Elongation at break		%	ISO 527-2
Elongation at yield	10	%	ISO 527-2
Impact strength			
Notched Charpy at +23°C	6	kJ/m <sup>2</sup>	ISO 179
Notched Charpy at -20°C	4	kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at +23°C	NB	kJ/m <sup>2</sup>	ISO 179
Unnotched Charpy at -20°C	NB	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)	106	°C	ISO 75/1
Softening temperature			
Vicat 50°/h at 9,81N (A)		°C	ISO 306
Vicat 50°C/h at 49,05N (B)	152	°C	ISO 306
Flammability			
GWT at 3.2 mm	550	°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
Hardness Shore A (15 s)	97	Shore A	D2240
Hardness Shore D (15 s)	78	Shore D	D2240

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