

POLYform

POM C M90 S10

Impact modified

| Property | Value | Unit | Standard |
|-------------------------------|---------|-------------------|-------------|
| Density | 1,38 | g/cm ³ | ISO 1183 |
| MFI at 190°C/2,16kg | 9,5 | g/10min | ISO 1133 |
| Flexural modulus at +23°C | 2000 | MPa | ISO 178 |
| Maximum flexural strength | 80 | MPa | ISO 178 |
| Maximum tensile strength | 45 | MPa | ISO/R527 |
| Elongation at break | | % | ISO/R527 |
| Elongation at yield | 7 | % | ISO/R527 |
| Impact strength | | | |
| Notched Charpy at +23°C | 15 | kJ/m ² | ISO 179 |
| Notched Charpy at -20°C | | kJ/m ² | ISO 179 |
| Unnotched Charpy at +23°C | NB | kJ/m ² | ISO 179 |
| Unnotched Charpy at -20°C | | kJ/m ² | ISO 179 |
| Filler content | | ±2% | Polykemi |
| Heat Distortion Temperature | | | |
| HDT 120°C/h at 455kPa (B) | | °C | ISO 75/1 |
| HDT 120°C/h at 1820kPa (A) | 85 | °C | ISO 75/1 |
| Softening temperature | | | |
| Vicat 50°/h at 9,81N (A) | | °C | ISO 306 |
| Vicat 50°C/h at 49,05N (B) | 140 | °C | ISO 306 |
| Flammability | | | |
| GWT at 3.2 mm | | °C | IEC 695-2-1 |
| UL94 at 1.6 mm | | | UL94 |
| Mould shrinkage (with flow) | 1,8-2,0 | % | ISO 2577 |
| Mould shrinkage (across flow) | 1,8-2,0 | % | ISO 2577 |
| Hardness Shore A (15 s) | | Shore A | D2240 |
| Hardness Shore D (15 s) | | Shore D | D2240 |

Version 2

2001-07-05

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