

POLYsan

FL100 F35

Glass fibre-reinforced

| Property | Value | Unit | Standard |
|-------------------------------|-------|-------------------|-------------|
| Density | 1,31 | g/cm ³ | ISO 1183 |
| MFI at 230°C/5 kg | | g/10 min | ISO 1133 |
| Flexural modulus at +23°C | 10000 | MPa | ISO 178 |
| Maximum flexural strength | 160 | MPa | ISO 178 |
| Maximum tensile strength | 105 | MPa | ISO 527-2 |
| Elongation at break | 6 | % | ISO 527-2 |
| Elongation at yield | | % | ISO 527-2 |
| Impact strength | | | |
| Notched Charpy at +23°C | 3 | kJ/m ² | ISO 179 |
| Notched Charpy at -20°C | 3 | 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 | 35 | ±2% | ISO 3451 |
| Heat Distortion Temperature | | | |
| HDT 120°C/h at 455kPa (B) | 105 | °C | ISO 75/1 |
| HDT 120°C/h at 1820kPa (A) | 102 | °C | ISO 75/1 |
| Softening temperature | | | |
| Vicat 50°/h at 9,81N (A) | 115 | °C | ISO 306 |
| Vicat 50°C/h at 49,05N (B) | 108 | °C | ISO 306 |
| Flammability | | | |
| GWT at 2 mm | 650 | °C | IEC 695-2-1 |
| UL94 at 1.6 mm | HB | | UL94 |
| Mould shrinkage (with flow) | | % | ISO 294-4 |
| Mould shrinkage (across flow) | | % | ISO 294-4 |

Version 1

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