

POLYfill

PPH GF5020 HC

Glass fiber reinforced

| Property | Value | Unit | Standard |
|-------------------------------|-----------|-------------------|-------------|
| Density | 1,05 | g/cm ³ | ISO 1183 |
| MFI at 230°C/2,16kg | 6 | g/10min | ISO 1133 |
| Flexural modulus at +23°C | 5900 | MPa | ISO 178 |
| Maximum flexural strength | 139 | MPa | ISO 178 |
| Maximum tensile strength | 84 | MPa | ISO 527-2 |
| Elongation at break | 3 | % | ISO 527-2 |
| Elongation at yield | | % | ISO 527-2 |
| Impact strength | | | |
| Notched Charpy at +23°C | 8 | kJ/m ² | ISO 179 |
| Notched Charpy at -30°C | 6,5 | kJ/m ² | ISO 179 |
| Unnotched Charpy at +23°C | 51 | kJ/m ² | ISO 179 |
| Unnotched Charpy at -30°C | 40 | kJ/m ² | ISO 179 |
| Filler content | 20 | ±2% | ISO 3451 |
| Heat Distortion Temperature | | | |
| HDT 120°C/h at 455kPa (B) | 157 | °C | ISO 75/1 |
| HDT 120°C/h at 1820kPa (A) | 142 | °C | ISO 75/1 |
| Softening temperature | | | |
| Vicat 50°/h at 9,81N (A) | 165 | °C | ISO 306 |
| Vicat 50°C/h at 49,05N (B) | 142 | °C | ISO 306 |
| Flammability | | | |
| GWT at 2 mm | 750 | °C | IEC 695-2-1 |
| UL94 at 1.6 mm | HB | | UL94 |
| Mould shrinkage (with flow) | 0,25-0,35 | % | ISO 294-4 |
| Mould shrinkage (across flow) | 0,9-1,1 | % | ISO 294-4 |

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