

# POLYfill

## PPH T20040

Mineral reinforced

| Property                      | Value   | Unit              | Standard    |
|-------------------------------|---------|-------------------|-------------|
| Density                       | 1,23    | g/cm <sup>3</sup> | ISO 1183    |
| MFI at 230°C/2,16kg           | 20      | g/10min           | ISO 1133    |
| Flexural modulus at +23°C     | 4000    | MPa               | ISO 178     |
| Maximum flexural strength     | 58      | MPa               | ISO 178     |
| Maximum tensile strength      | 29      | MPa               | ISO 527-2   |
| Elongation at break           |         | %                 | ISO 527-2   |
| Elongation at yield           | 4       | %                 | ISO 527-2   |
| Impact strength               |         |                   |             |
| Notched Charpy at +23°C       | 2       | kJ/m <sup>2</sup> | ISO 179     |
| Notched Charpy at -20°C       | 1,5     | kJ/m <sup>2</sup> | ISO 179     |
| Unnotched Charpy at +23°C     |         | kJ/m <sup>2</sup> | ISO 179     |
| Unnotched Charpy at -20°C     |         | kJ/m <sup>2</sup> | ISO 179     |
| Filler content                | 40      | ±2%               | ISO 3451    |
| Heat Distortion Temperature   |         |                   |             |
| HDT 120°C/h at 455kPa (B)     | 125     | °C                | ISO 75/1    |
| HDT 120°C/h at 1820kPa (A)    | 75      | °C                | ISO 75/1    |
| Softening temperature         |         |                   |             |
| Vicat 50°/h at 9,81N (A)      | 148     | °C                | ISO 306     |
| Vicat 50°C/h at 49,05N (B)    | 88      | °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)   | 0,8-1,0 | %                 | ISO 294-4   |
| Mould shrinkage (across flow) | 0,8-1,0 | %                 | ISO 294-4   |

\*UL file no. E122538

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