

SCANFILL

BIO Bottle GY45C2

Blow moulding grade, Bio-polymer

| Property | Value | Unit | Test method |
|-------------------------------|---------|-------------------|-------------|
| Density | 1,37 | g/cm ³ | ISO 1183 |
| MFI at 230°C/2,16kg | 0,1 | g/10min | ISO 1133 |
| Flexural modulus at +23°C | 1800 | MPa | ISO 178 |
| Maximum flexural strength | 31 | MPa | ISO 178 |
| Maximum tensile strength | 20 | MPa | ISO 527-2 |
| Elongation at break | | % | ISO 527-2 |
| Elongation at yield | 15 | % | ISO 527-2 |
| Impact strength | | | |
| Notched Charpy at +23°C | 28 | kJ/m ² | ISO 179 |
| Notched Charpy at -20°C | 18 | kJ/m ² | ISO 179 |
| Unnotched Charpy at +23°C | NB | kJ/m ² | ISO 179 |
| Unnotched Charpy at -20°C | NB | kJ/m ² | ISO 179 |
| Filler content | 45 | ±2% | ISO 3451 |
| Heat Distortion Temperature | | | |
| HDT 120°C/h at 455kPa (B) | 85 | °C | ISO 75/1 |
| HDT 120°C/h at 1820kPa (A) | 42 | °C | ISO 75/1 |
| Softening Temperature | | | |
| Vicat 50°/h at 9,81N (A) | 125 | °C | ISO 306 |
| Vicat 50°C/h at 49,05N (B) | 68 | °C | ISO 306 |
| Flammability | | | |
| GWT at 2 mm | | °C | IEC 695-2-1 |
| UL94 at 1,6 mm | HB | | UL94 |
| Mould shrinkage (with flow) | 1,0-1,3 | % | ISO 294-4 |
| Mould shrinkage (across flow) | 1,0-1,3 | % | ISO 294-4 |

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