

POLYelast

TPE R44

| Property | Value | Unit | Standard |
|-------------------------------|---------|-------------------|-----------|
| Density | 0,94 | g/cm ³ | ISO 1183 |
| MFI at 230°C/2,16kg | 8 | g/10min | ISO 1133 |
| Hardness Shore D (15 s) | 53 | Shore D | D2240 |
| Mould shrinkage (with flow) | 1,3-1,5 | % | ISO 294-4 |
| Mould shrinkage (across flow) | 1,3-1,5 | % | ISO 294-4 |
| Elongation at break | | % | ISO 527-2 |
| Maximum tensile strength | 15 | MPa | ISO 527-2 |
| Maximum flexural strength | 22 | MPa | ISO 178 |
| Flexural modulus at +23°C | 700 | MPa | ISO 178 |
| Notched Charpy at +23°C | 28 | kJ/m ² | ISO 179 |
| Unnotched Charpy at +23°C | NB | kJ/m ² | ISO 179 |
| Filler content | 5 | ±2% | ISO 3451 |
| Heat Distortion Temperature | | | |
| HDT 120°C/h at 455kPa (B) | 87 | °C | ISO 75/1 |
| HDT 120°C/h at 1820kPa (A) | | °C | ISO 75/1 |
| Softening temperature | | | |
| Vicat 50°/h at 9,81N (A) | 135 | °C | ISO 306 |
| Vicat 50°C/h at 49,05N (B) | | °C | ISO 306 |

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