

SCANAMID 6

B12^ NH11L

Flame retardant halogen free

| Property | Value | Unit | Standard |
|--|-------------|-------------------|-------------|
| "^" = additive# 0-9, no effect on material prop. | | | |
| Density | 1,17 | g/cm ³ | ISO 1183 |
| Viscosity | | Pas | |
| Flexural modulus at +23°C | 3400 (3000) | MPa | ISO 178 |
| Maximum flexural strength | 114 (97) | MPa | ISO 178 |
| Maximum tensile strength | 78 (64) | MPa | ISO 527-2 |
| Elongation at break | 10 (63) | % | ISO 527-2 |
| Elongation at yield | | % | ISO 527-2 |
| Impact strength | | | |
| Notched Charpy at +23°C | 9 (14,5) | kJ/m ² | ISO 179 |
| Notched Charpy at -20°C | (4) | kJ/m ² | ISO 179 |
| Unnotched Charpy at +23°C | NB (NB) | kJ/m ² | ISO 179 |
| Unnotched Charpy at -20°C | (NB) | kJ/m ² | ISO 179 |
| Izod notched at +23°C | | kJ/m ² | ISO 180/4A |
| Filler content | | ±2% | ISO 3451 |
| Heat Distortion Temperature | | | |
| HDT 120°C/h at 455kPa (B) | 190 | °C | ISO 75/1 |
| HDT 120°C/h at 1820kPa (A) | 65 | °C | ISO 75/1 |
| Softening temperature | | | |
| Vicat 50°/h at 9,81N (A) | 213 | °C | ISO 306 |
| Vicat 50°C/h at 49,05N (B) | 197 | °C | ISO 306 |
| Flammability | | | |
| GWT at 0.8 mm | 850 | | IEC 695-2-1 |
| UL94 at 1.6 mm | V2 | | UL94 |
| Mould shrinkage (with flow) | 1,1-1,3 | % | ISO 294-4 |
| Mould shrinkage (across flow) | 1,1-1,3 | % | ISO 294-4 |
| Hardness Shore D (15 s) | 80 | Shore D | D2240 |

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