Sampo
Polyurethanes & Processing

SAMPO MATERIAL DATA

# Sampo MTH 75A

## Technical properties

| Property | Unit | Matrix value |
|---|---|---|
| Density | kg/m³ | **1170** |
| Shore A hardness | Shore A | **75 ± 3** |
| Shore D hardness / 15 s | Shore D | **n.v.** |
| Tensile strength | MPa | **55** |
| Elongation at break | % | **470** |
| Stress at 100% elongation | MPa | **≥ 5** |
| Stress at 300% elongation | MPa | **≥ 15** |
| Tear strength | kN/m | **≥ 68** |
| Abrasion volume loss | mm³ | **33** |
| Rebound resilience | % | **47** |
| Compression set / 24 h / 70 °C / 25% | % | **≤ 28** |
| Compression set / 72 h / 70 °C / 25% | % | **30** |
| Maximum temperature | °C | **115** |
| Minimum temperature | °C | **-35** |
| Vicat softening temperature / 10 N / 120 °C/h | °C | **n.v.** |

≥ Minimum value · ≤ Maximum value · ± Tolerance · n.v. not reported. Values without limit symbols are characteristic values, not guaranteed limits.

Vicat test: force 10 N, heating rate 120 °C/h. Temperature values are application-dependent guidelines.

Data source: Sampo material data matrix, worksheet Datenmatrix, column N. Data as of 10 September 2026.