

SAMPO MATERIAL DATA

Sampo MAX 55D

Technical properties

Property	Unit	Matrix value
Density	kg/m ³	1210
Shore A hardness	Shore A	n.v.
Shore D hardness / 15 s	Shore D	55 ± 3
Tensile strength	MPa	≥ 45
Elongation at break	%	≥ 310
Stress at 100% elongation	MPa	≥ 20
Stress at 300% elongation	MPa	≥ 35
Tear strength	kN/m	≥ 110
Abrasion volume loss	mm ³	40
Rebound resilience	%	40
Compression set / 24 h / 70 °C / 25%	%	≤ 30
Compression set / 72 h / 70 °C / 25%	%	≤ 35
Maximum temperature	°C	115
Minimum temperature	°C	-20
Vicat softening temperature / 10 N / 120 °C/h	°C	163

≥ 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 E. Data as of 10 September 2026.