SAMPO MATERIAL DATA

Sampo EST 89A

Technical properties

Property	Unit	Matrix value
Density	kg/m³	**n.v.**
Shore A hardness	Shore A	**89**
Shore D hardness / 15 s	Shore D	**55**
Tensile strength	MPa	**60**
Elongation at break	%	**450**
Stress at 100% elongation	MPa	**7**
Stress at 300% elongation	MPa	**17**
Tear strength	kN/m	**40**
Abrasion volume loss	mm³	**37**
Rebound resilience	%	**38**
Compression set / 24 h / 70 °C / 25%	%	**28**
Compression set / 72 h / 70 °C / 25%	%	**33**
Maximum temperature	°C	**100**
Minimum temperature	°C	**-30**
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, material EST 89A. Data as of 24 September 2026.