SAMPO MATERIAL DATA

Sampo BMX 85A

Technical properties

Property	Unit	Matrix value
Density	kg/m³	**1180**
Shore A hardness	Shore A	**85 ± 3**
Shore D hardness / 15 s	Shore D	**38 ± 3**
Tensile strength	MPa	**50**
Elongation at break	%	**370**
Stress at 100% elongation	MPa	**≥7**
Stress at 300% elongation	MPa	**≥ 35**
Tear strength	kN/m	**n.v.**
Abrasion volume loss	mm³	**38**
Rebound resilience	%	**30**
Compression set / 24 h / 70 °C / 25%	%	**≤ 26**
Compression set / 72 h / 70 °C / 25%	%	**n.v.**
Maximum temperature	°C	**115**
Minimum temperature	°C	**-20**
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 H. Data as of 10 September 2026.