


# X-ECOPUR S

*Self-lubricated thermoplastic polyurethane elastomer (TPU) with solid lubricants optimized to reduce friction and improve wear resistance.*

DIN: YAU      ASTM: YAU

Property	Unit	Value	Standard
Standard color	–	Dark grey	
Durometer hardness*	Shore A	97 ±1	DIN ISO 7619
Durometer hardness*	Shore D	58 ±3	DIN ISO 7619
Density	g/cm <sup>3</sup>	1,23 ±0,02	DIN EN ISO 1183-1
Tensile strength	MPa	≥ 38	DIN 53504
Elongation at break	%	≥ 300	DIN 53504
100% modulus	MPa	≥ 22	DIN 53504
Compression set:			
70 °C / 24 h, 20% compression	%	≤ 33	DIN ISO 815
100 °C / 24 h, 20% compression	%	≤ 39	DIN ISO 815
Tear strength	N/mm	160	DIN ISO 34-1
Abrasion	mm <sup>3</sup>	29	DIN ISO 4649
Minimum service temperature	°C	–20	–
Maximum service temperature	°C	+110	–

IMPORTANT NOTE: The values shown above are only valid for material samples prepared for test purposes according to the stated standards.

Tubes are labeled "A".

\* testing time is 3 s

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