


S-ECOPUR

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	–	Grey/black	
Durometer hardness*	Shore A	95 ±1	DIN ISO 7619
Durometer hardness*	Shore D	48 ±3	DIN ISO 7619
Density	g/cm ³	1,23 ±0,01	DIN EN ISO 1183-1
Tensile strength	MPa	≥ 45	DIN 53504
Elongation at break	%	≥ 380	DIN 53504
100% modulus	MPa	≥ 17	DIN 53504
Compression set:			
70 °C / 24 h, 20% compression	%	≤ 30	DIN ISO 815
100 °C / 24 h, 20% compression	%	≤ 35	DIN ISO 815
Tear strength	N/mm	120	DIN ISO 34-1
Abrasion	mm ³	21	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. The values, which are marked with the symbols greater than or equal to (≥) and smaller than or equal to (≤), are nominal values and must be fulfilled for each batch. These values are tested on selected samples.

Tubes are labeled "A".

* testing time is 3 s

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