

Thermoplastic Polyurethane Elastomer (TPU) - Modified for optimized friction and wear behaviour - 95A

# S-ECOPUR

DIN: AU

Property	Unit	Value	Standard
Standard color	–	Grey/black	■
Durometer hardness*	Shore A	95 ±2	DIN ISO 7619
Durometer hardness*	Shore D	48 ±3	DIN ISO 7619
Density	g/cm <sup>3</sup>	1,23 ±0,02	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 <sup>3</sup>	21	DIN ISO 4649
Minimum service temperature	°C	–20	–
Brittleness temperature	°C	< –60	–
Maximum service temperature	°C	+110	–
Short term	°C	+125	–

IMPORTANT NOTE: The values shown above are only valid for material samples prepared for test purposes according to the stated standards. The values density, durometer hardness (Shore A) and those 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.

\* Testing time is 3 seconds

[skf.com/seals](https://skf.com/seals)

© SKF and S-ECOPUR are registered trademarks of the SKF Group.

© SKF Group 2020

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB BU/P1 12469/2 EN · March 2020