


# X-ECOPUR

*Thermoplastic polyurethane elastomer (TPU)  
raw material base polyester*

DIN: YAU      ASTM: YAU

Property	Unit	Value	Standard
Standard color	–	Dark green	
Durometer hardness*	Shore A	97 ±1	DIN ISO 7619
Durometer hardness*	Shore D	57 ±3	DIN ISO 7619
Density	g/cm <sup>3</sup>	1,21 ±0,01	DIN EN ISO 1183-1
Tensile strength	MPa	≥ 45	DIN 53504
Elongation at break	%	≥ 400	DIN 53504
100% modulus	MPa	≥ 16	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	130	DIN ISO 34-1
Abrasion	mm <sup>3</sup>	18	DIN ISO 4649
Minimum service temperature	°C	-30	–
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.

\* testing time is 3 s

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