


Cast Polyurethane Elastomer (CPU) – Hydrolysis resistant – 54D

G-ECOPUR 54D

DIN: AU

Property	Unit	Value	Standard
Standard color	–	Red	
Durometer hardness*	Shore A	97 ±1	DIN ISO 48-4
Durometer hardness*	Shore D	54 ±3	DIN ISO 48-4
Density	g/cm ³	1,19 ±0,01	DIN EN ISO 1183-1
Tensile strength	N/mm ²	≥ 45	DIN 53504
Elongation at break	%	≥ 330	DIN 53504
100% modulus	N/mm ²	≥ 15	DIN 53504
Compression set:			
70 °C / 24 h, 20% compression	%	≤ 30	DIN ISO 815
100 °C / 24 h, 20% compression	%	≤ 40	DIN ISO 815
Abrasion	mm ³	18	DIN ISO 4649
Minimum service temperature	°C	–30	–
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

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