

Material

60 EPDM 280

black

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Physical properties

	nominal range	typical values	
Density DIN EN ISO 1183-1	1.06 ±0.02	1.07	g/cm ³
Hardness DIN ISO 7619-1	65 ±5	67	Shore
Micro hardness DIN ISO 48 Verfahren M	60 +5/-8	62	IRHD
Rebound resilience DIN 53512	> 35	48	%
Modulus 100 %, DIN 53504, S2	> 1.8	2.9	MPa
Tensile strength DIN 53504, S2	> 11	15.1	MPa
Elongation at break DIN 53504, S2	> 220	310	%
Compression set DIN ISO 815, 22 h, 100 °C	< 20	11	%
Compression set DIN ISO 815, Slab I, 24 h, 150 °C, 25 %	< 30	20	%
Low Temperature DIN 53765, DSC	---	-52	°C
Temperature range	-40°C to 150°C		

Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

	Country	Part	Remark	Expires
ADI Free			see certificate	see DoC
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

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Tested after ASTM D 2000: M 4 CA 614 A25 B35 C32 F19 G11 G21

			nominal range	typical values	
	Hardness	Shore	60 ±5	61	
	Tensile strength	MPa	min. 14	16	
	Elongation at break	%	min. 250	290	
A25	Change after aging in Air 70h/125°C				
	Hardness	Shore	10	1	
	Tensile strength	%	-20	2	
	Elongation at break	%	-40	5	
B35	Compression set (plied) 22h/125°C		%	70	9
C32	Ozone Resistance 38°C		Rating	no cracks	
F19	Low-temperature resistance after 3 min at -55 °C 3min./-55°C			pass	
G11	Tear Resistance Die B 23°C		MPa	26	26
G21	Tear Resistance Die C 23°C		MPa	26	37

Durability of max. 100 °C in sulfur hexafluoride (SF 6).

The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufactories process and the component geometry.

The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

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