

Material

70 NBR 234667

blue

cross linking: sulfur

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Physical properties	nominal range	typical values	
Density DIN EN ISO 1183-1, 23 °C	1.34 ±0.02	1.34	g/cm ³
Hardness DIN ISO 7619-1, Shore A, 23 °C	70 ±5	68	Shore
Modulus 100 %, DIN 53504, S2, 23 °C	---	---	MPa
Tensile strength DIN 53504, S2, 23 °C	> 10	12.9	MPa
Elongation at break DIN 53504, S2, 23 °C	> 200	300	%
Compression set DIN ISO 815, Slab B, 24 h, 100 °C, 25 %	< 12	10	%
Compression set DIN ISO 815, Slab B, 168 h, 100 °C, 25 %	---	27	%
Compression set DIN ISO 815, Slab B, 168 h, 115 °C, 25 %	---	33	%
Low Temperature DIN 53765, DSC	< -40	-51	°C
Temperature range	-50°C to 110°C		

Declarations of conformity
No data found!

Freudenberg

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No ASTM D2000 properties available

After several months of storage time a thin white/grayish layer can occur on the surface of the O-ring. It comes from a decomposition product of the vulcanizing system which is blooming out during the storage time.

This material-specific blooming is not relevant to the static sealing function and does not affect adversely the reliability of performance of the O-ring. But in the case of coated O-rings the blooming can influence the tribological properties. By rising the temperature (150 °C for 30 min) it is possible to remove the layer.

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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