

Material

80 EPDM E454

Revision Index
04

Revision Date
10.10.2018

General Data

Type of cross-linking: Peroxidic

Physical Properties	Nominal Range	Typical Value	
Density ASTM D297		1.19	g/cm ³
Hardness ASTM D2240, Shore A	80 ±5	84	Shore
Modulus 100 %, ASTM D412, C	>5	9.5	MPa
Modulus 100 %, ASTM D412, C	>800	1378	psi
Tensile strength ASTM D412, C	>9	19.1	MPa
Tensile strength ASTM D412, C	>1400	2775	psi
Density DIN EN ISO 1183-1, 23 °C		1.2	g/cm ³
Elongation at break ASTM D412, C	>125	151	%
Hardness DIN ISO 7619-1, Shore A, 23 °C		80	Shore
Modulus 100 %, DIN 53504, S2, 23 °C		10.2	MPa
Tensile strength DIN 53504, S2, 23 °C		18.1	MPa
Compression set ASTM D395, B, 22 h, 121 °C, 25 %, AS330	<30	4	%
Low temperature ASTM D1329, TR10	<-45	-55	°C
Low temperature test ASTM D1329, TR10	<-50	-67	°F
Elongation at break DIN 53504, S2, 23 °C		148	%
Compression set DIN ISO 815, B, 24 h, 100 °C, 25 %		14	%

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 manufacturing 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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