Material
80 FVMQ F80

Revision Index	Revision Date
01	15.02.2018

General Data

Colour: blue

Physical Properties	**Nominal Range**	**Typical Value**	
Density ASTM D792	1.55 ±0.03	1.55	g/cm³
Hardness ASTM D2240, Shore A	80 ±5	77	Shore
Tensile strength ASTM D1414	>5	6.1	MPa
Tensile strength ASTM D1414	>750	884	psi
Elongation at break ASTM D1414	>70	218	%
Compression set ASTM D395, B, 70 h, 24 °C, 25 %	<20	8	%
Compression set ASTM D395, B, 22 h, 175 °C, 25 %	<45	14	%
Low temperature ASTM D1329, TR10	<-57	-64	°C
Low temperature test ASTM D1329, TR10	<-70	-83	°F
Density DIN EN ISO 1183-1		1.54	g/cm³
Hardness DIN ISO 7619-1, Shore A		77	Shore
Micro hardness DIN ISO 48		78	IRHD
Modulus 100 %, DIN 53504		4.8	MPa
Tensile strength DIN 53504		7.7	MPa
Elongation at break DIN 53504		226	%
Compression set ASTM D395, B, 70 h, 150 °C, 25 %		13	%

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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