

VMQ 60 High-Temperature datasheet

MATERIAL	Low compression set Silicone material, extrusion grade. FDA compliant to CFR 21 177-2600 and European regulations EC 1935/2004.
DESCRIPTION	Excellent thermal resistance to both high and low temperatures Good oxygen and ozone resistance and very high permeability resistance. Good elongation properties.
APPLICATION	Product use Inflatable seals, O-rings, Sealing profiles etc.
TEMPERATURE	The temperature range is between -30°C and 240°C

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Shore hardness	ASTM D2240	Shore A	61 +/- 5
Elongation at break	ASTM D412	%	440
Tensile strength at break	ASTM D412	Mpa	11
Specific gravity	ASTM D1817	g/cm ³	1,2 +/- 0,03
Temperature range	/	°C	-30 / 240 or -60 / 300 (intermittent)
Compression set 24h at 150°C	ASTM D395B	%	12,8
Color	/		Cream (difficult to add color)
Storage stability	/	/	± 10 years

The above values are typical

The information in this datasheet is based on many years of experience in the application of VMQ60. However, unknown parameters and conditions may restrict general statements during usage. It is vital that users satisfy themselves as to the suitability of individual products through adequate testing. For this reason and due to the wide range of applications of our products, AST B.V. can accept no liability as to the suitability or correctness of our recommendations in individual cases. The application limits for pressure, temperature and velocity given in this datasheet are maximum values determined in the test laboratory. During practical applications it should be remembered that due to the interaction of the operating parameters, the maximum values must be set correspondingly lower. For exceptional operating conditions, please contact us.