

## Gaskets Materials

### Flexseal® VMQ SI 30254

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**Description:** Flexseal® VMQ SI 30254 is a high-quality, solid silicone material (VMQ) for technical sealing, insulation and construction applications. Flexseal® VMQ SI 30254 offers excellent temperature resistance, high elasticity, excellent aging and ozone resistance, and very good mechanical properties. Due to its stability in cold and heat, Flexseal® VMQ SI 30254 is suitable for demanding industrial, railway and automotive applications. Flexseal® VMQ SI 30254 complies with the DIN EN 45545-2 R22/R23/R24, HL3 standard.

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**Applications:** Flexseal® VMQ SI 30254 is typically used in seals, flat gaskets, technical components and applications with high thermal loads. Other applications include components in railway, automotive and mechanical engineering. Flexseal® VMQ SI 30254 is also used in devices, housings and systems where ozone, aging and temperature resistance are required..

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**Availability:** Flexseal VMQ SI 30254 can be supplied as a blank or die-cut part. Other forms of delivery on request.

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**Storage:** Flexseal® VMQ SI 30254 should be stored at room temperature in dry rooms.

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## Flexseal® VMQ SI 30254

Properties	Method of testing	Unit	Value
Material structure	-	-	VMQ
Shore Hardness A	-	-	50 ± 5
Density	EN ISO 1183	g/cm <sup>3</sup>	~1,15
Tensile strength	ISO 37 Type 2	MPa	8,0
Elongation	ISO 37 Type 2	%	500
Tear Propagation Resistance	ISO 34-1 Method A	N/mm	~25
Temperature range	-	°C	- 50 to + 200
Fire	EN 45545-2 (for 2-15 mm thickness)	-	HL2 (R22/R23/R24)
Ozone	-	-	Very high durability
Railway standard UK	Standard BS6853		Category 1A

## Flexseal® VMQ SI 30254

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**Trademark Information:** Flexseal® is a registered trademark of Dr. Dietrich Müller GmbH, Germany.

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**Please note:**

The information in this technical data sheet is based on our current knowledge and experience. Due to the wide range of possible influences during application, it does not exempt the processor and user from carrying out their own tests and trials. A legally binding guarantee of certain properties or suitability for a specific application cannot be derived from our information. Depending on the individual case, we recommend consulting us. The recipient of our products is responsible for observing any industrial property rights and existing laws.

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