HYLOMAR
when performance really counts™

TECHNICAL DATA SHEET

HYLOMAR 102

Amine curing RTV silicone sealant

Description

Hylomar Silicone Sealant 102 is a non-corrosive, low odour Room Temperature Vulcanising (RTV) silicone compound. It is a high performance engineering grade which is used in the automotive industry and for general manufacturing. It can also be used for a variety of applications and is particularly suitable for high strength applications in odour sensitive environments.

Hylomar Silicone Sealant 102 has good resistance to oils and aqueous anti-freeze agents

Unlike general-purpose silicone sealants, Hylomar Silicone Sealant 102 contains no solvents and does not evolve acetic acid during cure.

Typical Properties, Uncured Product

Colour	Black
Consistency	Non- Slump Paste
Cross Linking System	Amine
Specific Gravity (g/ml) DIN 53479	1.16
Extrusion Rate 3mm orifice @ 60 psi	45 g/min
Skin Time (Minutes) @ 55% RH	10 minutes
Cure Rate @ 25°C and 60% RH	3mm per 24 hours

Cured Product

Tensile Strength DIN 53505, S3A.	2.5 N/mm²
Elongation at Break DIN 53504, S3A	350 %
Modulus at 100% Elongation DIN 53504, S3A.	0.6 N/mm²
Hardness (Shore A) DIN 53505	25°
Tear Strength ASTM D 624, Form B	7 N/mm²
Temperature Range	-50°C to 180°C. Usable to 240°C

Information given in this publication is based upon technical data gained in our own and other Laboratories and is believed to be true. However the material is used in conditions beyond our control thus we can assume no liability for results obtained or damages incurred through the application of the data present herein.

Dielectric Properties

Volume Resistivity Ohm.cm DIN 53482 **determined dry at 23°C** **determined wet at 60°C**	 5 (x10 to the power14) 9 (x10 to the power13)
Dielectric Strength (kv/mm) DIN 53481	17
Tracking Resistance DIN 53480	KA 3 c
Dielectric Constant (epilson) at room temperature in a frequency range of 50Hz to 5MHz DIN 53483	3.0 - 2.9
Dissipation Factor (tan) at room temperature in a frequency range of 50Hz to 5Mhz DIN 53483	0.01 - 0.005

Instructions for Use

Ensure both surfaces to be bonded are clean, dry and free from contamination such as oil or grease. The compound can be applied to form any size or shape of gasket.
Apply a bead directly onto one surface. Once applied, the joint should be assembled without delay.

Care should be taken to ensure any excess compound does not extrude internally and foul any internal oil-ways or other channels and cause blockages.

Any excess external product can be wiped away with a damp cloth.

Typical Applications

Due to its good resistance to oils, Hylomar Silicone Sealant 102 is ideal for use as a flexible gasket or flange sealant, for use in automotive and general engineering applications.

Handling and Safety

Xi Irritant – Risk Phrases = R36, R38. Safety Phrases = S26, S28, S36/37, S39.

Packaging

Hylomar Silicone Sealant 102 is available in 100ml tubes, 300ml cartridges and 17 litre kegs.

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