HYLOMAR when performance really counts™

TECHNICAL DATA SHEET

HYLOSIL 303 SILICONE SEALANT

Acetoxy curing RTV silicone sealant

Description

Hylosil 303 Silicone Sealant is a Room Temperature Vulcanising (RTV) general purpose silicone sealant. Once applied the compound reacts with atmospheric moisture, to form a tough, durable rubber seal. It has excellent adhesion to metals, glass, ceramics and plastics.
The compound has large gap filling properties which makes it ideal for application to non-machined surfaces and even as cast surfaces.

Hylosil 303 Silicone Sealant is resistant to oil, water and lubricants. It will remain flexible to withstand vibration

Typical Properties, Uncured Product

Colour	**Translucent**
Consistency	**Non-slump paste**
Cross Linking System	**Acetoxy**
Specific Gravity (DIN 53479)	**1.03 g/ml**
Solids Content	**100%**
Extrusion Rate 3mm orifice @ 60 psi	**78 g/minute**
Skin Forming Time at 23°C/50% RH	**6 minutes**
Cure Rate @ 25°C and 60% RH	**3mm per 24 hours**

Cured Product

Tensile Strength DIN 53505, S3A	**1.9 N/mm²**
Elongation @ Break DIN 53504, S3A	**460%**
E Modulus @ 100% Elongation DIN 53504, S3A	**0.4 N/mm²**
Hardness Shore A DIN 53505	**22°**
Tear Strength ASTM D 624, Form B	**5 N/mm²**
Shrinkage DIN 53504, S3A	**3%**
Typical temperature Range	**-40° to 240°C**
Ignition Temperature DIN 51794	**460°C**

Instructions for use

Surface should be clean, dry and free from contamination such as oil or grease. Once applied in Gasket applications, the joint should be assembled without delay.

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.

Care should be taken when applying the compound to ensure any excess product will not foul any internal channels and cause blockages. Any excess uncured product extruded externally can be wiped away with a damp cloth.

When stripping assemblies that have been sealed with Hylosil 303 Silicone Sealant, carefully scrape away as much of the cured product as possible. The remaining compound can be softened and removed by using a suitable Silicone Sealant Remover.

Typical Applications

Hylosil 303 Silicone Sealant is a general purpose adhesive and sealant with many applications in building, engineering and the automotive industry. It has excellent adhesion without primer to metals, glass, ceramics and most rigid plastics. The cured compound is resistant to many solvents, oil, water and lubricants.

Handling and Safety Properties

Not classified according to CHIP 3.1 2005.
Risk Phrases: None.
Safety Phrases: S26 and S28.
For further information please refer to the Safety Data Sheet.

Packaging

Hylosil 303 Silicone Sealant is available in 100ml tubes, 300ml cartridges and 17L kegs.

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