

Technical Data Sheet

KS130

Industrial Silicone For Plastic Substrates

Description

KS130 is a fast curing silicone RTV adhesive rubber developed for the bonding of “difficult to bond” plastics like Tygon™.

KS130 is a one part silicone that when applied to the substrate enables handling of the bonded assembly within an hour.

When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

KS130 works well in both manual and automatic dispensing equipment.

Technical Features

Appearance:	White
Specific Gravity:	1.28
Consistency:	Thixotropic Paste
Viscosity:	~400,000 cPs
Solids:	98%
Working Time ¹ :	8 minutes
Tack Free Time ¹ :	20 minutes
Full Cure ¹ :	72 hours
Durometer:	35 Shore A
Tensile Strength:	1.75 - 2 N/mm ²
Peel Strength:	3.5 kN.m ⁻¹
Elongation to Break:	350%
Service Temperature:	-45 to +260 °C
Shelf Life @ 21°C ² :	12 months

¹ At room temperature 21°C

² In original unopened containers

Typical Applications

- Industrial bonding
- Form in place gaskets
- Adhesive sealing of components

Product Features

- Fast, room temperature cure
- Bonds to Tygon™ and other highly plasticised plastic substrates
- Non-corrosive
- Cure System - Oxime

Adhesion

Excellent unprimed adhesion to virtually all plastics, filled polyethylene, filled polypropylene, polyimides, polysulphone and most composite substrates.

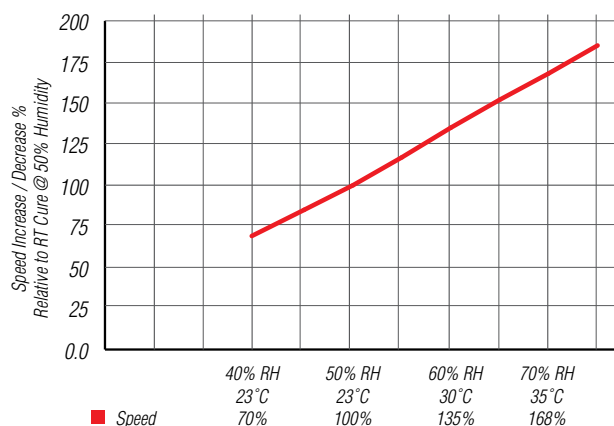
Cure Speed Influence

Cure speed can be accelerated with increased humidity and heat to very rapid cure times.

Typical utilization involves dispensing in open air-and after exposure to ambient humidity, a room temperature cured rubber is formed

CURE SCHEDULE

Increase / decrease in speed with temperature / relative humidity



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Limitations

Do not use product on head gaskets or fuel immersion applications.

Allow to fully cure before putting assembly into service.

Ensure enough product remains between flanges to be effective in an assembly

General Information

Keep out of the reach of children.

Uncured sealant irritates eyes and skin.

For safe handling of this product consult the Safety Data Sheet.

Storage

Store in a cool area out of direct sunlight.

For maximum shelf life, keep containers sealed when not in use.

Instructions for Use

Ensure parts are clean, dry and free from oil and grease.

Apply adhesive to one substrate.

Assemble parts and allow to cure.

Wipe excess adhesive from outside of joint while adhesive is still wet.

Notes

The data contained in this data sheet may be reported as typical value and/or range. Values are based on actual test data and are verified on a regular basis.

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