

KS915

Silicone

Description

KS915 is a high strength, high temperature silicone RTV engineered for applications requiring fast development of physical properties and excellent adhesion. KS915 offers the highest temperature resistance of any acetoxycure silicone currently available. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. KS915 works well in manual and automatic dispensing equipment.

Technical Features

Appearance:	Red/Orange
Viscosity:	500,000 cps
Specific Gravity:	1.14
Consistency:	Thixo Paste
Working Time @RT:	4 minutes
Tack Free Time @ RT:	12 minutes
Application Rate, 90 PSI g/min	175
Cure Time:	72 hours @ RT
Durometer:	38 Shore A
Tensile Strength:	750 PSI
Elongation 850%:	850%
Peel Strength:	50 PPI
Tear Strength:	100 PPI
Lap Shear Strength:	330 PSI
Dielectric Strength:	500 V/mil
Dielectric Constant:	2.8
Disipation Factor:	.001
Volume Resistivity:	2.0×10^{14}
Thermal Conductivity:	.0005
Coefficient of Thermal Expansion:	20×10^{-5}
Service Temperature:	-45 to 300°C

Product Features

- Fast RT cure
- thixotropic paste
- Excellent unprimed adhesion to plastic, metal and glass
- Acetoxycure

Typical Applications

- Form in place gaskets
- Assembly line adhesive
- Adhesive Sealant

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 with thermally conductive properties is formed.

Solids

98% solids

Adhesion

Excellent unprimed adhesion to plastic, metal and glass

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.



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Instructions for Use

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

Apply adhesive to one substrate. Assemble parts and allow curing. Wipe excess adhesive from outside of joint.

Dispensing systems are available for high volume assembly applications. Please contact your Krylex representative for further advice on dispensing solutions.

Storage

Store in a cool area out of direct sunlight. Refrigeration to 5° gives optimum stability.

General Information

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin.

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

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 area verified on a regular basis.

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