



IS 5108
Translucent Alkoxy Adhesive

One Component RTV Adhesive Sealant

Fast Cure Neutral, Translucent

Product Description

IS 5108 adhesive/sealant is a one component translucent neutral RTV that quickly cures to form an elastic, flexible silicone rubber. The product is specially developed to be non-corrosive to metals including copper and copper alloys, coupled with fast cure. IS 5108 has a thixotropic paste consistency, low and high temperature resistance, excellent dielectric properties and excellent primerless adhesion to plastics like polycarbonate, which makes the material ideal for electronic applications as well as for sealing bonding high performance plastics.

Key Performance Properties

- service temperature -50° to +200° C
- non-corrosive to metals
- fast cure
- translucent
- non-acid cure, low smell, no irritating vapours
- compatible with polycarbonate
- excellent dielectric properties

Typical Product Data

Typical uncured properties :

Colour	Translucent	
Consistency	Paste	
Specific Gravity	g/cm ³	1.04
Tack Free Time	minutes	10
Application rate 6 mm orifice, 2 bar	g/min	75

Typical cured properties :

Property	Method	Unit	Typical value
Hardness	DIN 53505	Shore A	20
Tensile Strength	DIN 53504	MPa	1.5
Elongation	DIN 53504	%	450
Dielectric Strength		kV/mm	20
Dielectric Constant (50 Hz)			2.8
Dissipation Factor (50 Hz)			0.005
Volume Resistivity		Ω · cm	1x10 ¹⁵

1) The mechanical properties were obtained on 2 mm thick ASTM sheets which were cured for 1 week at 23° C and 50% RH. The dielectric properties were obtained on 1 mm thick slabs cured for 1 week at 23° C and 50% RH.



- Specifications** Typical product data values should not be used as specifications. Assistance and specifications are available by contacting Momentive performance materials Technical Service RTV 1 and RTV 2
- Instructions for Use** IS 5108 is a fast, alkoxy neutral curing one part silicone sealant designed for use with sensitive metals and plastics. IS5108 has a high strength/medium modulus cured property profile and is suitable in most environments. Since the product is a one part product it can easily be dispensed with a single bulk dispensing pump or cartridges.
The cure process begins with the formation of a skin on the exposed surface of the sealant and progresses inward through the material. At 23° C and 50% relative humidity (RH) IS 5108 will form a surface skin, which is dry to the touch in approximately 10 minutes.
The cured thickness of IS 5108 is after:
- | | |
|--------|--------|
| 1 day | 3.5 mm |
| 3 days | 6.0 mm |
| 7 days | 10 mm |
- Increased temperature and relative humidity will speed up curing. Primers are not typically required when using IS 5108 adhesive sealant. The silicone offers excellent adhesion to many substrates including most sensitive metals, painted surfaces and plastics. For difficult to bond substrates primers are available on request.
When adhesion is required, surfaces should be cleaned with suitable solvents such as isopropyl alcohol (IPA), methyl ethyl ketone (MEK) and naphtha to remove dirt, oil and grease. The surface should be wiped dry before the solvent evaporates to effectively remove the contaminants.
- Handling and Safety** Material safety data sheets are available upon request from Momentive performance materials. Similar information for solvents and other chemicals used with the Momentive performance materials products should be obtained from your supplier. When solvents are used, proper safety precautions must be observed.
- Storage and Warranty Period** The warranted shelf life will be indicated by the " use before date" on the associated documents with a minimum of 4 months when stored in the original unopened containers below 25° C.
- Availability** IS 5108 is available in 310ml cartridges, 20kg pails and 200kg drums.



PRINCIPAL LOCATIONS – Regional Information

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