



XE16-508

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Description

XE16-508 is a one-component, alkoxy cure, electro-conductive silicone adhesive sealant. This product cures at room temperature with moisture in the air and bonds to most materials, such as metals, plastics, ceramics and glass without the use of primers

Key Features and Benefits

- One-component, ready to use
- Excellent electro-conductivity
- Room temperature
- Neutral cure-non-corrosive to most metals
- Low odour cure; releases an alcohol vapour during cure
- Excellent adhesion to a wide range of substrates
- Excellent resistance to weathering, UV and ozone

Typical Physical Properties

Typical uncured Properties	
Appearance	Black paste
Cure system	Black paste
Tack-free Time at 23°C, min	60
Solid Content, %	96
Application rate, g/min at 0,62MPa, Orifice 3.2mm	500
Typical cured Properties (7 days @ 23°C/50%RH)	
Appearance	Black elastomeric rubber
Density, g/cm ³	1.08
Hardness, shore A	53
Tensile strength, MPa	2.6
Elongation, %	170
Adhesive Properties (AL/AL)	
Adhesive strength, MPa	1.3
Cohesive Failure, %	100
Electrical Properties (cured) Resistivity between 2 copper plates	
Volume resistivity, ohm.cm	1.5

Potential Applications

- EMI shield
- Grounding and anti-static seal for electrical and electronic components.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

XE16-508 has a shelf life of 18 months from the date of manufacturing and 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 27° C.

Customers should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS are available at www.momentive.com or, upon request, from any Momentive Performance Materials (MPM) representative. **For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center.** Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Processing Recommendations

Surface Preparation

XE16-508 will bond to many clean surfaces without the aid of primers. These surfaces typically include many metals, glass, ceramic, silicone rubber and some rigid plastics.

Where adhesion is required, surfaces should be thoroughly cleaned with a suitable solvent such as naphtha or methyl ethyl ketone (MEK) to remove dirt, oil and grease. The surface should be wiped dry before applying the adhesive sealant.

When solvents are used, proper safety precautions must be observed.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Specifications

Typical product data values should not be used as specification. Assistance and specifications are available by contacting Momentive Performance Materials Technical Service RTV1 and RTV2.

Availability

XE16-508 is available in 333 ml cartridges, which are packed in cases containing 10 cartridges.

From automotive to healthcare, from electronics to construction, products from Momentive Performance Materials Inc. are practically everywhere you look. We are a global leader in silicones and advanced materials with a 70+ year heritage of innovation and being first to market – with performance applications that improve everyday life. By knowing our customers' needs and creating custom technology platforms for them, we provide science based solutions to help customers increase performance, solve product development issues and engineer better manufacturing processes.

Contact Information For product prices, availability, or order placement, contact our customer service by visiting momentive.com/ContactSilicones.

For literature and technical assistance, visit our website at: www.momentive.com

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