

YE5505

YE5505

Description

YE 5505 is a one-component, low viscosity, oxime cure, solvent type silicone coating that cures on exposure to atmosphere moisture to form an elastic silicone rubber.

YE 5505 has an easily pourable consistency and excellent adhesion to metals, ceramics, glass, etc. without the use of primers.

Key Features and Benefits

- Low viscosity
- Primerless adhesion to many substrates
- Oxime cure; little risk of corrosion (corrosion to copper and copper alloys)
- Excellent weatherability, ozone and chemical resistance
- Excellent electrical insulation properties
- Simple and easy-to-use one-component system.

Typical Physical Properties

Uncured Properties		YE 5505
Appearance		Flowable liquid, transparent
Viscosity (23°C)	Pa·s	1.0
Tack-free-time (23°C)	Min	30
Solvent content	%	50
Solvent		Toluene

Cured Properties (7d @ 23°C / 20% RH)		
Appearance		Elastic rubber
Density	g/cm ³	1.03
Hardness	Shore A	24
Tensile strength	MPa	2.0
Elongation	%	400
Thermal conductivity	W/m·K	0.18
Volume resistivity	Ohm · cm	1.0 · 10 ¹⁵
Dielectric strength	kV/mm	20
Dielectric constant (60Hz)		2.9
Dielectric loss (60Hz)		0.002

Potential Applications

- Industrial coating

Moistureproof coating of electrical and electronic parts

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the 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

The 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.

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any 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

This product releases toluene and methyl ethyl ketoxime vapours during cure. Adequate ventilation must be maintained in the work place at all time.

Do not apply to polycarbonate as the solvent could cause stress cracking.

All parts should be clean and dry prior to applications.

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

YE 5505 is available in 500g cans and 18 kg pails.

Contact Information

For product prices, availability, or order placement, contact our customer service at Momentive.com/CustomerService/

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

DISCLAIMER:

THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY "SUPPLIER"), ARE SOLD SUBJECT TO SUPPLIER'S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER'S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN.

Each user bears full responsibility for making its own determination as to the suitability of Supplier's

materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier's products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.