

Product Data

UV Cure Silicone Encapsulant TUV7130-C

TUV7130-C is a one-component UV Cure silicone encapsulant. Its semi-flowable formulation provides the ability to selectively dispense on critical PCB components in appropriate bead thicknesses as well as dispensing in intricate patterns. TUV7130-C cures quickly with exposure to UV light and has a soft post cure property that contributes to stress-relief of delicate electronics components. .

KEY FEATURES

- Fast UV cure, can contribute to reduction in cycle times
- Easy to use 1-Part formulation
- Provides good electrical properties

APPLICATIONS

- Moisture protection of electronics components

TYPICAL PROPERTIES

UNCURED PROPERTIES		
Appearance		semi-flowable translucent color
Viscosity (No.7 / 20 rpm)	Pa.s	21
Tack-free Time (23°C)	min	7
CURED PROPERTIES (metal halide lamp 3000mJ/cm ² , 500mW/cm ²)		
Appearance		Translucent rubber
Density (23°C)	g/cm ³	1.08
Hardness (Type E)		31
Adhesion strength ^{*1}	MPa	0.3
Thermal Conductivity	W/m.K	0.18
Volume resistivity	MΩ·m	1.0×10 ⁶
Dielectric strength	kV/mm	23
Dielectric constant (60Hz)		2.9
Dissipation factor (60Hz)		0.004
Low volatile siloxane D ₃ ~D ₄	ppm	20

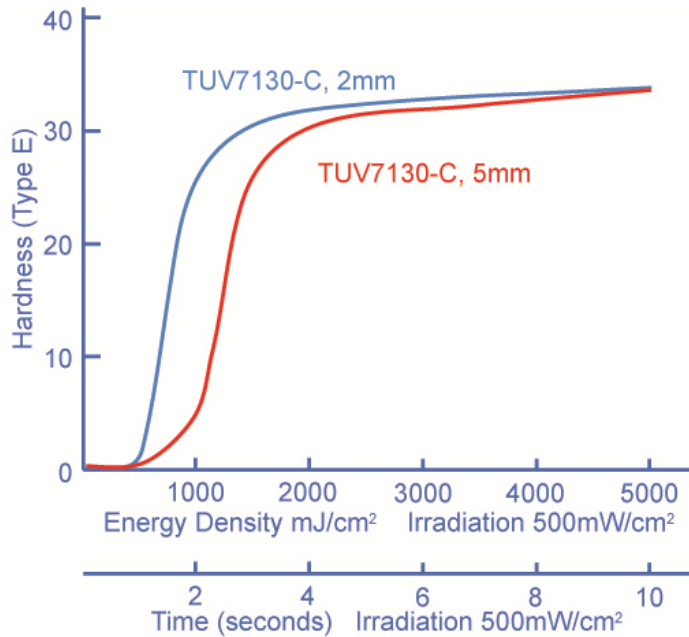
*1 Glass lap shear

Typical property data values should not be used as specifications.

Product Data

UV Cure Silicone Encapsulant TUV7130-C

Cure Profile



Product Safety, Handling and Storage

Customers considering the use of this product should review the latest Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Safety Data Sheets are available at www.momentive.com or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

TUV7130-C is to be stored at 0–10°C. When removing TUV7130-C from cold temperature storage, condensation will occur as the material returns to ambient room temperatures. TUV7130-C should be returned to ambient room temperatures prior to opening the cartridge and dispensing. The material should be handled only within a Yellow Room environment after the protective wrap has been removed from the cartridges.

Product Data

UV Cure Silicone Encapsulant TUV7130-C

Limitations

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

Packaging

- 333ml cartridge (10 cartridges x 5 boxes per case)

DISCLAIMER: THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC., MOMENTIVE PERFORMANCE MATERIALS USA INC., MOMENTIVE PERFORMANCE MATERIALS ASIA PACIFIC PTE. LTD., MOMENTIVE PERFORMANCE MATERIALS WORLDWIDE INC., MOMENTIVE PERFORMANCE MATERIALS GmbH & Co. KG, MOMENTIVE PERFORMANCE MATERIALS SUISSE Sarl, THEIR SUBSIDIARIES AND AFFILIATES DOING BUSINESS IN LOCAL JURISDICTIONS (collectively "SUPPLIERS"), ARE SOLD BY THE RESPECTIVE LEGAL ENTITY OF THE SUPPLIER SUBJECT TO SUPPLIERS' 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, SUPPLIERS MAKE 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 SUPPLIERS' PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. AFOREMENTIONED EXCLUSIONS OR LIMITATION OF LIABILITY ARE NOT APPLICABLE TO THE EXTENT THAT THE END-USE CONDITIONS AND/OR INCORPORATION CONDITIONS CORRESPOND TO THE RECOMMENDED CONDITIONS OF USE AND/OR OF INCORPORATION AS DESCRIBED BY SUPPLIER IN ITS PRODUCT DATA SHEET AND/OR PRODUCT SPECIFICATIONS. EXCEPT AS PROVIDED IN SUPPLIERS' STANDARD CONDITIONS OF SALE, SUPPLIERS AND THEIR 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 Suppliers' 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 Suppliers' 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 Suppliers' Standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Suppliers. 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 Suppliers or any of its subsidiaries or affiliates 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 Performance Materials

<http://www.momentive.com>

Tokyo Head Office: Phone: +81-3-5544-3111

FAX: +81-3-5544-3122

TUV7130-C 3/3

February, 2015