



Technical Data Sheet

DOWSIL™ 290C Curing Agent

Curing agent for pressure sensitive adhesive in mica tape application

Features & Benefits

- Increase binding force
- Favorable tack and adhesion in mica tape application
- Cure at lower temperature in mica tape application

Composition

- Liquid silane

Applications

- Curing agent for DOWSIL™ mica binders

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Clear liquid
Color	APHA	3.4
GC purity	%	97.88
Refractive index		1.441
Specific gravity at 25°C (77°F)		1.02

Description

DOWSIL™ 290C Curing Agent is designed to cure DOWSIL™ mica binders like DOWSIL™ 290 Mica Binder, DOWSIL™ 288 Mica Binder, etc., in flexible flame retardant mica tape. It can be cured at lower temperature in DOWSIL™ PSA formulation, increase the adhesive cohesion and get favorable the tack and adhesion.

How to Use

DOWSIL™ 290C Curing Agent can be added after the dispersed mica binder. The suggested dosage ranges from 1% to 3% on active ingredient basis. The curing temperature in the formulation of mica binder can be 140°C to 160°C for 2 to 4 minutes.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

When stored in a cool, in the original unopened containers, this product has a usable life of 12 months from the date of production.

Packaging Information

This product is available in a variety of container sizes.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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