



Technical Data Sheet

DOWSIL™ FCA-107 Flake Resin

FEATURES

- Refractive index 1.56
- Good thermal stability
- Solid flake form
- Hydroxyl functional
- Complies with FDA 21 CFR 175.300

COMPOSITION

- Phenyl silicone resin

Phenyl silicone flake resin with hydroxyl functionality

APPLICATIONS

- In high processing temperature polymer matrix

TYPICAL PROPERTIES

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

CTM*	Property	Unit	Result
CTM 0208	Solids Content	%	> 98
CTM 0936	Tg	°C	64
CTM 0598	Hydroxyl Content	%	8.5

* CTM: Corporate Test Method, copies of CTM's are available on request.

HANDLING PRECAUTIONS

DOWSIL™ FCA-107 Flake Resin is electrically nonconductive and thus, like plastics in particle form, can generate static charges during transfer operations. For this reason, proper precautions should be taken to safely dissipate any charges possibly generated, particularly when solvents or solvent vapors are present. Two important cautions include:

- The flake itself will generate an electrical potential, and the user must maintain adequate safeguards to handle it. Both the vessel into which the flake is poured and the platform on which the operator stands should be grounded.
- Avoid the presence of ignitable materials during the transfer operation. If possible, have an inert atmosphere in the kettle and keep the solvent vapor content of the surrounding area at safe levels by providing adequate building area ventilation.

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 WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

FLAMMABILITY

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. You can obtain a copy from your local sales representative or distributor or by calling your local global connection.

USABLE LIFE AND STORAGE

When stored in original, unopened containers at or below 25°C (77°F), DOWSIL FCA-107 Flake Resin has a shelf life of 24 months from date of manufacture. Refer to product packaging for “Use By” date. Opened containers should be tightly closed after use to prevent contaminants and water vapor from entering the product. Maximum storage temperatures should be maintained below 25°C (77°F).

PACKAGING INFORMATION

DOWSIL FCA-107 Flake Resin is supplied in 20 kg (44 lb) bags, net weight. Standard 3 kg (6.5 lb) samples are available upon request.

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, www.consumer.dow.com or consult your local Dow representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer’s tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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DOWSIL™ FCA-107 Flake Resin

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