



## Technical Data Sheet

# DOWSIL™ RSN-0233 Flake Resin

### **FEATURES & BENEFITS**

- Good heat stability
- Good weatherability

### **COMPOSITION**

- Flaked solid resin
- Silanol functional

100 percent silicone, silanol-functional resin for use as a binder for powder and liquid coatings

### **APPLICATIONS**

DOWSIL™ RSN-0233 Flake Resin is used primarily:

- As a powder coating binder or co-binder to improve heat stability and weatherability
- In high-temperature coatings where initial hardness and hot hardness are desired
- As a blending resin with other silicone resins to improve hardness
- As a blending resin in solvent-based organic coatings to improve film properties

### **TYPICAL PROPERTIES**

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

CTM <sup>1</sup>	Property	Unit	Result
0208	Solids Content	%	99
0540	Specific Gravity at 25°C (77°F)		1.32
0874	Melt Viscosity at 140°C (284°F)	cP	500
0090	Flash Point, closed cup	°C (°F)	138 (280)
0598	Hydroxyl Content	%	6.0
	Theoretical Residual Silicon Dioxide	%	55
	Phenyl / Methyl Ratio		1.3
	Degree of Substitution		1.15
	Solubility		Ketones, esters, aromatics and chlorinated solvents

<sup>1</sup>CTMs (Corporate Test Methods) correspond to standard ASTM (American Society for Testing and Materials) tests in most instances. Copies of CTM procedures are available upon request.

**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**  
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**OR FROM YOUR DOW SALES**  
**APPLICATION ENGINEER, OR**  
**DISTRIBUTOR, OR BY CALLING**  
**DOW CUSTOMER SERVICE.**

## **USABLE LIFE AND STORAGE**

When stored at or below 30°C (86°F) in original, unopened container, this product has a usable life of 21 months from the date of production.

Opened containers should be tightly closed after use to prevent contaminants and water vapor from entering the product. Maximum storage temperature should be maintained at or below 30°C (86°F).

## **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](http://www.consumer.dow.com) or consult your local Dow representative.

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