



## Technical Data Sheet

# DOWSIL™ RSN-0220 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-0220 Flake Resin can be evaluated for potential applications:

- As a powder coating binder or co-binder to improve heat stability and weatherability.
- As a blending resin with solvent-based silicone resins to reduce VOCs (Volatile Organic Compound).
- 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
<b>As Supplied</b>			
0208	Solids Content	%	99
0540	Specific Gravity at 25°C (77°F)		1.33
0090	Flash Point, closed cup	°C (°F)	138 (280)
0598	Hydroxyl Content	%	6.0
0874	Melt Viscosity at 140°C (284°F)	cP	541
	Solubility		Ketones, esters, aromatics and chlorinated solvents
	Theoretical Residual Silicon Dioxide	%	51
	Phenyl / Methyl Ratio		2.0/1.0
	Degree of Substitution		1.2
<b>As 60 Percent Toluene Solution</b>			
0208	Solids Content	%	60
0001A	Specific Gravity at 25°C (77°F)		1.07
0004	Viscosity	cP	25

<sup>1</sup>CTMs (Corporate Test Methods) correspond to standard American Society for Testing and Materials (ASTM) 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  
THE DOW WEBSITE AT  
WWW.CONSUMER.DOW.COM,  
OR FROM**

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

**USABLE LIFE AND STORAGE**

When stored at 25°C (77°F) in the 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 25°C (77°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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