



## Technical Data Sheet

# DOWSIL™ RSN-0805 Resin

### FEATURES & BENEFITS

- Stable
- High-temperature performance
- Can be used alone or blended with other silicone resins

### COMPOSITION

- Silanol-functional resin supplied as solvent solution

Silanol-functional resin for maintenance paints, colored baking enamels and decorative finishes

### APPLICATIONS

- DOWSIL™ RSN-0805 Resin is intended for use primarily with metallic pigments in applications including maintenance paints, colored baking enamels and decorative finishes. DOWSIL RSN-0805 Resin can be used alone or blended with DOWSIL™ RSN-0806 Resin to increase film hardness.

### TYPICAL PROPERTIES

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

Property	Unit	Result
Diluent		Xylene
Resin Solids	weight percent <sup>1</sup>	50
Specific Gravity		1.01
Volatile Organic Content (VOC)	g/L (lb/gal)	503 (4.2)
Viscosity at 25°C (77°F)	cP	125
Flash Point, tag closed cup	°C (°F)	27 (81)
Theoretical Residual Silicon Dioxide	%	48
Phenyl/Methyl Ratio		1.1/1.0
Degree of Substitution		1.6

<sup>1</sup>1.5 g, 3 hours at 135°C (275°F).

### DESCRIPTION

DOWSIL RSN-0805 Resin is a silanol-functional resin intended for formulating high-performance decorative and protective coatings. Paint formulations based on DOWSIL RSN-0805 Resin are enhanced with softness and flexibility, and perform up to 650°C (1200°F).

**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 in the original unopened container, this product has a usable life of 36 months from the date of production.

## **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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DOWSIL™ RSN-0805 Resin

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