



Technical Data Sheet

DOWSIL™ BY 16-201

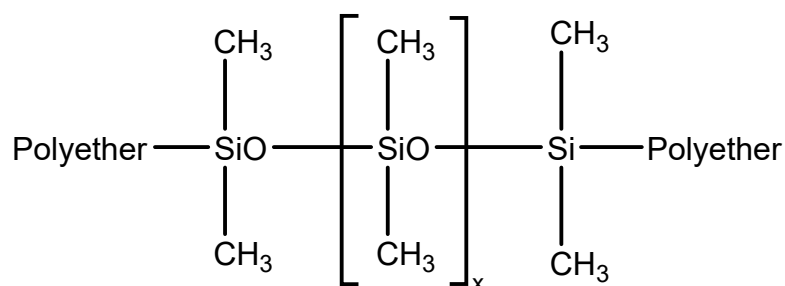
Polyether modified silicone polymer for polyurethane modification

Features & Benefits

- OH functional polyether which can react with isocyanate
- Imparts hydrophobicity, slip/ mar resistance property on polyurethane by copolymerization

Composition

- Polyether modified silicone polymer



Applications

- Modification of urethane polymer by copolymerization
- Additive for polyurethane

Typical Properties

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

Property	Unit	Result
Appearance		Colorless to pale yellow liquid
Specific Gravity at 25°C(77°F)		0.970–0.987
Viscosity at 25°C(77°F)	mm ² /s	40.0–52.0
Hydroxyl Value	mgKOH/g	55.0–65.0
Refractive Index at 25°C(77°F)		1.4030–1.4230

Description

DOWSIL™ BY 16-201 has polyether functional group bonded to polydimethylsiloxane. The terminal OH function in polyether can react with isocyanate and/or urethane prepolymer to provide silicone modified polyurethanes. Silicone modified polyurethanes can show better hydrophobicity, abrasion resistance, mechanical properties than conventional urethane. DOWSIL™ BY 16-201 is suitable as a urethane modifier for synthetic or artificial leather.

**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.

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**

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