



Technical Data Sheet

VORANOL CP 3355 Polyol

Description

VORANOL™ CP 3355 polyol is a general purpose polyether polyol, nominal 3400 molecular weight, heteropolymer triol.

VORANOL™ CP 3355 polyol is a polyol used in the manufacture of various urethane products such as coatings, elastomers and storage stable speciality prepolymers for the coating, adhesive and binder industry.

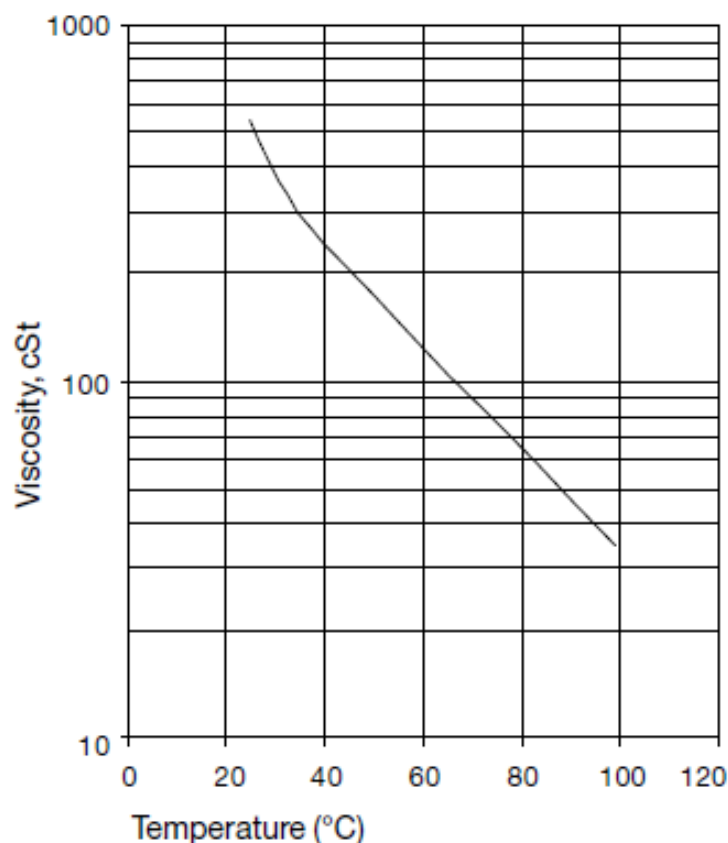
VORANOL™ CP 3355 polyol can also be used in blends with other VORANOL polyols to influence physical and mechanical properties of flexible and rigid urethanes. VORANOL CP 3355 is a BHT-free product.

Typical Component Properties⁽¹⁾

| | Units | Values | Test Method |
|-----------------------------|------------------|-----------------------|---------------------------|
| Appearance / physical state | | Clear, viscous liquid | |
| Hydroxyl number | mg KOH/g | 45.0-50.0 | ASTM D4274-94d |
| Water, max | % | 0.100 | ASTM E203-96 |
| Acid number, max | mg KOH/g | 0.050 | DOWM 100387-TE95A |
| Colour, max | APHA | 50 | ASTM D4890-93 |
| pH (1 water / 10 methanol) | | 7.0-9.5 | DOWM 101495-TE94A |
| Viscosity, 25°C | cSt | 520-570 | ASTM D445-94 |
| Viscosity, 40°C | cSt | 255 | ASTM D445-94 |
| Viscosity, 100°C | cSt | 34 | ASTM D445-94 |
| Potassium & Sodium, max | ppm | 5.0 | AOD-S |
| Average molecular weight | | 3400 | |
| Specific gravity, 25/25°C | | 1.019 | |
| Flash point | °C | 234 | Pensky Martens closed cup |
| Specific heat, 40°C | Cal/g.°C | 0.44 | |
| Thermal conductivity | Kcal/(h.m2.°C/m) | 0.20 | |
| CAS # ⁽²⁾ | | 009082-00-2 | |

1. These are typical values and should not be construed as specifications.
2. Please consult your Dow representative for more detailed information regarding regulatory status.

Viscosity vs. Temperature



Handling and Storage

| | Units | Limits |
|---|--------|--------|
| Storage temperature | °C | <=40 |
| Storage stability / Shelf life ⁽³⁾ | months | 24 |

3. Stored in the original sealed drums in a dry place at the recommended temperature.

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Safety Considerations

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Contact information:

For more information about this product please call The Dow Chemical Company.

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