

# Technical Data Sheet

## Elevance C18™ Polyol 103DP

### Product Description

Elevance C18™ Polyol 103DP is a branched aliphatic polyol.

Elevance C18™ Polyol 103DP is a bio-based, difunctional, low-melting specialty polyol with low viscosity that offers superior weather resistance, hydrolytic stability and chemical resistance, and good mechanical properties.

### Applications

- High solids coatings (polyurethane dispersions)
- High-performance polyurethane thermoplastics and elastomers

### Typical Properties

| C18 Polyol | Hydroxyl value <sup>a</sup> | Average molecular weight | Viscosity <sup>b</sup> | Melting temperature <sup>c</sup> | Acid value <sup>d</sup> | Color <sup>e</sup> | Water content <sup>f</sup> | Appearance @25 °C |
|------------|-----------------------------|--------------------------|------------------------|----------------------------------|-------------------------|--------------------|----------------------------|-------------------|
|            | mg KOH/g                    | g/mol                    | cPs                    | °C                               | mg KOH/g                | APHA               | %                          |                   |
| 103DP      | 113                         | 1000                     | 311 (70 °C)            | 18                               | <1                      | 70                 | <0.02                      | semi-solid        |

<sup>a</sup>Modified D4274

<sup>b</sup>Analytical methods available on request

<sup>c</sup>DSC by Elevance analytical method ERS-155-1

<sup>d</sup>ASTM D664

<sup>e</sup>ASTM D5386

<sup>f</sup>ASTM E1064

### Shipping & Storage Conditions

Elevance C18™ Polyol is supplied in a 1-liter or 1-gallon bottle. Keep Elevance C18™ Polyol in its undisturbed, tightly closed container and store in a ventilated area protected from heat or ignition sources at ambient temperature (<30 °C).

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