

# BLUESIL<sup>TM</sup>

## FLD 621 V 20 to V 170 000

### Description

Products in the **BLUESIL FLD 621 Vx** series are  $\alpha/\omega$ -vinyl dimethylpolysiloxanes.

They are available in viscosities from 20 mm<sup>2</sup>/s to 170 000 mm<sup>2</sup>/s.

They are mainly used as base polymers for the production of silicone elastomers produced by a polyaddition crosslinking reaction, and as additives to modify organic polymer compounds.

### Examples of applications

- Used in polyaddition systems.
- Additives to modify the physical properties of organic polymers.
- Can providing the following benefits:
  - Abrasion resistance.
  - Surface lubrication.
  - Scratch resistance.
  - Internal lubrication.
  - Mold release effect.
  - Internal mold release agent.
  - Low temperature flexibility.
  - Plasticizer.
  - High temperature stability.
  - Electrical insulation.
  - Weathering resistance.
  - Water repellency.
  - Vapor permeability.
  - Ease of extrusion of thermoplastics.

### Characteristics

Appearance..... colorless, clear liquid  
 Active ingredients, %, approx. .... 100  
 Diluents .....aliphatic, aromatic and chlorinated,  
 hydrocarbons and esters

**BLUESIL™ FLD 621 V 20 to V 170 000****Characteristics (cont') Special characteristics**

<b>BLUESIL FLD 621</b>	<b>Viscosity at 25°C (mm<sup>2</sup>/s)</b>	<b>%Vinyl groups</b>
V 20	20	2.8
V 100	100	1.1
V 200	200	0.72
V 230	230	0.62
V 350	350	0.50
V 600	600	0.38
V 1 000	1 000	0.30
V 1 500	1 500	0.26
V 3 500	3 500	0.20
V 5 000	5 000	0.162
V 10 000	10 000	0.135
V 20 000	20 000	0.1
V 60 000	60 000	0.08
V 100 000	100 000	0.07
V 170 000	170 000	< 0.1

**Processing** For solutions to any specific problems, please contact us

**Packaging** **BLUESIL FLD 621 V 20 to 170 000** are delivered in 200 kg drums.

**Storage and shelf life** When stored in their original packaging at a temperature of between -20°C and +50°C, **BLUESIL FLD 621 V 20 to 170 000** may be stored for up to 24 months from their date of manufacture.

Comply with the storage instructions and expiry date marked on the packaging.

Beyond this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications.

**Safety** Consult the Safety Data Sheet for **BLUESIL FLD 621 V 20 to 170 000**.

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