

**Description** Products in the **BLUESIL FLD 621 V100x** 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.

**Key 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.

**Typical properties**

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

BLUESIL FLD 621V...	Approx. Viscosity at 25°C (mm <sup>2</sup> /s)	Approx. Wt% Vinyl groups	Maximum Volatiles (%)
621 V 100	100	1.08	≤ 2
621 V 200	200	0.72	≤ 2
621 V 350	350	0.50	≤ 2
621 V 600	600	0.38	≤ 2
621 V 1,000	1 000	0.30	≤ 2
621 V 1,500	1 500	0.26	≤ 2
621 V 5,000	5,000	0.16	≤ 2
621 V 10,000	10,000	0.14	≤ 2
621 V 20,000	20,000	0.11	≤ 2
621 V 60,000	60,000	0.08	≤ 2
621 V 100,000	100,000	0.07	≤ 2

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

# BLUESIL FLD 621V100 to 100 000

Technical Data Sheet n° 5574-V8 – 2020/01/20

---

**Instruction of use** Please consult your local ELKEM SILICONES sales office.

---

**Regulation** Please consult your local ELKEM SILICONES sales office.

---

**Limitations** Please consult your local ELKEM SILICONES sales office.

---

- Packaging**
- BLUESIL FLD 621V1 000 is available in
    - Drum of 200 KG (441 LB)
    - Tote bin of 1000 KG (2205 LB)
  - BLUESIL FLD 621V10 000 is available in
    - Pallet of 950 KG (2094.75 LB)
  - BLUESIL FLD 621V100 is available in
    - Drum of 200 KG (441 LB)
    - Tote bin of 1000 KG (2205 LB)
  - BLUESIL FLD 621V1500 is available in
    - Tote bin of 1000 KG (2205 LB)
    - Pallet
    - Pallet of 1000 KG (2205 LB)
  - BLUESIL FLD 621V170 000 is available in
    - Drum of 190 KG (418.95 LB)
  - BLUESIL FLD 621V20 000 is available in
    - Drum of 180 KG (396.9 LB)
    - Tote bin of 900 KG (1984.5 LB)
  - BLUESIL FLD 621V200 is available in
    - Tote bin of 1000 KG (2205 LB)
    - Drum of 200 KG (441 LB)
  - BLUESIL FLD 621V230 is available in
    - Pallet of 1000 KG (2205 LB)
  - BLUESIL FLD 621V60 000 is available in
    - Pallet of 950 KG (2094.75 LB)
  - BLUESIL FLD 621V600 is available in
    - Drum of 200 KG (441 LB)
    - Pallet of 1000 KG (2205 LB)
    - Pallet
    - Pail of 20 KG (44.1 LB)

---

**Storage and shelf life** When stored in its original packaging:

BLUESIL FLD 621V1 000 may be stored at temperatures between -20°C / -4°F and 50°C / 122°F for up to 36 months from its date of manufacturing.

BLUESIL FLD 621V10 000 may be stored at temperatures between -20°C / -4°F and 50°C / 122°F for up to 24 months from its date of manufacturing.

BLUESIL FLD 621V100 may be stored at temperatures between -20°C / -4°F and 50°C / 122°F for up to 24 months from its date of manufacturing.

BLUESIL FLD 621V1500 may be stored at temperatures between -20°C / -4°F and 50°C / 122°F for up to 24 months from its date of manufacturing.

BLUESIL FLD 621V170 000 may be stored for up to 36 months from its date of manufacturing.

BLUESIL FLD 621V20 000 may be stored for up to 36 months from its date of manufacturing.

BLUESIL FLD 621V200 may be stored at temperatures between -20°C / -4°F and 50°C / 122°F for up to 36 months from its date of manufacturing.

BLUESIL FLD 621V230 may be stored at temperatures between -20°C / -4°F and 30°C / 86°F for up to 36 months from its date of manufacturing.

BLUESIL FLD 621V60 000 may be stored for up to 12 months from its date of manufacturing.

BLUESIL FLD 621V600 may be stored for up to 24 months from its date of manufacturing.

Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.

---

**Safety** Please consult the Safety Data Sheet of:

---

# BLUESIL FLD 621V100 to 100 000

Technical Data Sheet n° 5574-V8 – 2020/01/20

---

BLUESIL FLD 621V1 000, BLUESIL FLD 621V10 000, BLUESIL FLD 621V100, BLUESIL FLD 621V1500, BLUESIL FLD 621V170 000, BLUESIL FLD 621V20 000, BLUESIL FLD 621V200, BLUESIL FLD 621V230, BLUESIL FLD 621V60 000 and BLUESIL FLD 621V600

---

Visit our website [www.silicones.elkem.com](http://www.silicones.elkem.com)

#### Warning to the users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.