

**Description** Products in the **BLUESIL FLD 621 Vx** series are 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**

	BLUESIL FLD 621V20
Color	< 30 HAZEN
Vinyl content	2.75 %
Viscosity NF T 76102	20 mm <sup>2</sup> /s

<b>Appearance</b>	Colorless, clear liquid
<b>Active ingredients, %</b>	100
<b>Diluents</b>	Aliphatic, aromatic and chlorinated, hydrocarbons and esters

BLUESIL FLD 621	Viscosity at 25°C(mm <sup>2</sup> /s)	%Vinyl groups
<b>V 20</b>	<b>20</b>	<b>2.8</b>
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

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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

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

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**Instruction of use** For solutions to any specific problems, please contact us

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**Packaging**

- BLUESIL FLD 621V20 is available in
  - Drum of 200 KG (441 LB)
  - Pallet of 950 KG (2094.75 LB)

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**Storage and shelf life** When stored in its original packaging:  
BLUESIL FLD 621V20 may be stored at a temperature between -20 °C/ -4 °F and 30 °C/ 86 °F 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.

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

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

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**Safety** Please consult the Safety Data Sheet of:  
BLUESIL FLD 621V20

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

## Warning to the users

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