

Description Products in the **BLUESIL FLD 621 Vx** series are vinyl dimethylpolysiloxanes. They are available in viscosities from 20 mm²/s to 170 000 mm²/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 621V350
Vinyl content	0.5 %
Color	< 30 HAZEN
Viscosity NF T 76102	350 mm ² /s

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

BLUESIL FLD 621	Viscosity at 25°C(mm ² /s)	%Vinyl groups
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

BLUESIL FLD 621V350

Technical Data Sheet n° 809-V3 – 2018/10/29

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.

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

Packaging

- BLUESIL FLD 621V350 is available in
 - Pallet of 1000 KG (2205 LB)

Storage and shelf life When stored in its original packaging:
BLUESIL FLD 621V350 may be stored at a temperature between -20 °C/ -4 °F and 50 °C/ 122 °F for up to 36 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.

Regulation Please consult your local ELKEM SILICONES sales office.

Limitations Please consult your local ELKEM SILICONES sales office.

Safety Please consult the Safety Data Sheet of:
BLUESIL FLD 621V350

Visit our website 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.