



DISPARLON® TFS-20

Anti-slumping agent for Sealants & Adhesives

TECHNICAL DATA SHEET

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DISPARLON® TFS-20 is a powdered thixotropic agent based on amide wax. DISPARLON® TFS-20 can be activated in sealants and adhesives at relatively low temperatures, providing excellent sag and slump resistance. Sealants and adhesives containing DISPARLON® TFS-20 exhibit superior viscosity stability during storage.

TYPICAL PROPERTIES

The following figures are typical properties, not to be used for specification.

Appearance	White to light yellow fine powder
Melting point	128 °C
Acid value (mgKOH/g)	Max. 8.0
Amine value (mgKOH/g)	Max. 8.0
Particle size	Max. 14 µm

ADVANTAGES

- Excellent sag and slump resistance
- High shear thinning
- Excellent workability and extrudability
- High tackiness and fast-grab adhesiveness
- Suitable for cold-process production

APPLICATION

DISPARLON® TFS-20 is especially recommended for modified silicone and urethane sealants, as well as epoxy adhesives.

INCORPORATION

Addition levels

The recommended dosage level based on the total formulation is 0.5–5.0 wt%.

The optimal additive level should be determined under actual use conditions.

Method

The standard dispersing temperature is in the range of 50–90 °C.

Addition with a kneader, planetary mixer, or twin-screw extruder is recommended.

The optimal dispersing temperature, time, and shear should be determined under actual use conditions.

During the cooling process, high shear forces such as those generated by a high-speed dissolver should be avoided.



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