



DISPARLON® 6500

Anti-Slumping agent for Sealants & Adhesives

TECHNICAL DATA SHEET

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DISPARLON® 6500 is a powdered thixotropic agent based on amide wax, designed for use in sealants and adhesives. DISPARLON® 6500 requires activation by a kneader or dispersing system under heating to impart its thixotropic effects. When activated at high temperature in sealant and adhesive formulations, DISPARLON® 6500 provides an excellent thickening effect.

TYPICAL PROPERTIES

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

Appearance	White to light yellow fine powder
Melting point	123 °C
Acid value (mgKOH/g)	Max. 10.0
Amine value (mgKOH/g)	Max. 10.0
Particle size	Max. 15 µm

ADVANTAGES

- Powdered; 100% active matter
- Excellent thickening effect and slump resistance
- Designed for high temperature manufacture of sealant and adhesive

APPLICATION

DISPARLON® 6500 is especially recommended for sealants such as modified silicone and urethane, and epoxy adhesive systems.

INCORPORATION

Addition levels

0.5–5.0 wt% on total formulation.

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

Method

Adjust the temperature in the range of 80–120 °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.

CAUTION

When used in coating applications such as undercoat, it may inhibit adhesion with topcoat. The study of adhesion in actual systems is recommended.



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