



DISPARLON[®] 6100

Anti-Slumping agent for Sealants & Adhesives

TECHNICAL DATA SHEET

Issued on 13 July 2026

DISPARLON[®] 6100 is a powdered thixotropic agent based on amide wax.

When dispersed along with heating, DISPARLON[®] 6100 builds up a strong thixotropic network in the vehicle and prevents slumping of sealants and adhesives.

TYPICAL PROPERTIES

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

Appearance	White to light yellow fine powder
Melting point	124 °C
Acid value (mgKOH/g)	Max. 6.0
Amine value (mgKOH/g)	Max. 6.0
Particle size	Max. 15 μm
Apparent density	0.16 g/cm ³

ADVANTAGES

- Readily imparts strong anti-slumping properties when dispersed with heat.
- Provides uniform adhesion by preventing slumping.
- Composed of 100% organic matter.
- Provides good handling during application and manufacturing.

APPLICATION

Recommended for sealants (Modified silicone, Urethane, etc.) and Epoxy adhesive systems.

Especially DISPARLON[®] 6100 is recommended when lower activation temperature is preferable.

INCORPORATION

Addition levels

0.5–5.0 wt% on total formulation.

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

Method

Standard dispersing temperature is 45–70°C.

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

The optimum dispersion temperature, time, and shear conditions should be determined under actual processing conditions.

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



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