Kusumoto Chemicals, Ltd.

DISPARLON® 6150

Anti-Slumping agent for Sealants & Adhesives

TECHNICAL DATA SHEET
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DISPARLON® 6150 is a powdered thixotropic agent based on amide wax.
DISPARLON® 6150 can be activated in sealants/adhesives at relatively low temperatures and provides excellent sag/slump resistance. Sealants and adhesives formulated with DISPARLON® 6150 also exhibit good 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	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

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

APPLICATION

DISPARLON® 6150 is especially recommended for sealants such as modified silicone, 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 45–70 °C.
Addition using 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.

Kusumoto Chemicals, Ltd.
Kusumoto Bldg. 1-11-13 Uchikanda Chiyoda-ku Tokyo,
101-0047 Japan
TEL +81-3-3292-8685
https://www.kusumoto.co.jp/en/