Technical Data Sheet

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Silfluo LF-ACM11 Series

Acrylate-Modified Silicone Fluids

Description:

Silfluo LF-ACM11-600 and LF-ACM11-601 are reactive silicone fluids for radiation-curable coating and resin systems. LF-ACM11-600 is a polysiloxane with pendant acrylate groups. LF-ACM11-601 is an acrylate-terminated polydimethylsiloxane. Their acrylate groups allow the silicone segments to be incorporated into the cured resin network.

Typical Physical Properties

Silfluo Code	LF-ACM11-600	LF-ACM11-601
Appearance	Yellow transparent liquid	Pale yellow viscous liquid
Molecular Weight (g/mol)	2000–20000	100–50000

Applications:

1. LF-ACM11-600 — Radiation-curable coatings

Used as a crosslinkable flow and surface additive in radiation-curable coatings to improve flow, scratch resistance and marker resistance. It promotes deaeration and reduces blocking, with modest improvements in surface slip and defoaming.

2. LF-ACM11-601 — UV-curable resin modification

Used as a reactive silicone component in UV-curable resin systems. Its terminal acrylate groups crosslink with the resin, introducing silicone segments into the coating network and surface to improve weather resistance, lasting surface feel, stain resistance and low-temperature performance.

Packing

25 kg or 200 kg plastic drums, 200 kg plastic-lined steel drums, and 1000 L IBCs.

Safety and Storage

Shelf life: 12 months from the date of manufacture in original unopened containers at room temperature.

Transport as non-dangerous goods.

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