



Procoat ES55

Long Chain Alkyl Aryl Polysiloxane Emulsion

ES-55 is a long chain Alkyl Aryl Polysiloxane emulsion designed for soft materials such as Aluminum, Zinc, and Magnesium. It offers superior release properties compared to traditional Polydimethylsiloxane, leaving the mold surface bright without carbon buildup. It is also compatible with secondary processes like printing and finishing.

Applications

- Release agent: Ideal for die-casting applications, especially with soft metals.
- Preliminary trials on compatibility and stability must be performed.

Benefits

- Bright Finish: The surface of the cast product remains bright, enhancing the overall appearance.
- No Carbonization: Unlike some lubricants, LSTÜMPA ES-55 does not leave carbon deposits on the mold.
- Secondary Process Compatibility: Does not interfere with further finishing steps, such as printing or coating.

Key Properties

Property	Value
Appearance	Milky white liquid
Solid Content	56%
Emulsion Type	Nonionic
pH	7
Diluent	Water

Usage Instructions

- Dilution: Can be used as-is or compounded with wax. Dilute with water to the desired concentration.
- Application: Can be applied directly to the mold or used in various die-casting processes.

Packaging :200 Kg Drum / 1000 Kg IBC Packing

Storage and Shelf Life

- Store: Keep in a closed container
- Shelf Life: 12 Months