

Description

SlipChem-E 178 is a high-performance **slip masterbatch** containing **high quality slip agent** dispersed in a **Polyethylene carrier resin**. It is specifically developed to reduce the **coefficient of friction (COF)** between polymer film layers during winding, bag-making, and packaging processes. The product offers excellent dispersion, high thermal stability, and consistent migration performance.

Typical Applications

- Blown film (LDPE, LLDPE, HDPE)
- Cast film (CPP, PE-based multilayers)
- Laminated and printed packaging films
- Agricultural films and shrink/stretch films

Property	Test Method	Unit	Typical Value
Appearance	Visual	-	Milky-white granular pellets
Active Content	-	wt.%	28 ± 1
Carrier Resin	-	-	LDPE / LLDPE compatible
Melt Flow Index (190 °C / 2.16 kg)	ASTM D1238	g/10 min	15 ± 1
Density	ASTM D792	g/cm³	0.94 – 0.96
Moisture Content	ASTM D6980	wt.%	< 0.2

Advantage

- Rapid and uniform slip activation
- Consistent COF reduction
- Excellent dispersion and film clarity retention
- No interference with sealing or printing inks
- Compatible with most pigments and additives

Typical addition rate

- ♦ **0.5 – 1.5 wt.%** (based on total film formulation)

The optimum dosage depends on:

- Film thickness
- Type of polymer matrix
- Desired COF and film surface properties

Packaging

SlipChem-E178 is supplied in standard pellet form packed in 25 kg bags.

Storage and handling

SlipChem-E178 should be stored to prevent direct sunlight and heat exposure. The storage area should also be dry and preferably not exceed 40°C; Bad storage conditions may lead to quality deterioration and product performance. It is advisable to pre-dry before use and process within 12 months under recommended conditions.

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