

Armoslip® CP

Oleamide

Description

Armoslip CP is a refined oleamide with low color and low water content. Armospip CP provides excellent slip effect and moderate anti-blocking performance. It is a frequently used slip additive for PE film applications.

General Characteristics

Properties	Specification
Free fatty acids %	< 0.2
Appearance	Off white beads/powder
Amide %	>98.5
Gardner Color (molten product)	< 2
Melting Point °C	72-76
Iodine Value	81-87
Water %	< 0.05

Applications and Features

When Armospip CP is thoroughly mixed with the polymer it greatly improves processing behavior and end-performance by reducing friction and adhesion forces between polymer and processing equipment and polymer to polymer surfaces.

Due to a continuous migration a thin film of Armospip CP is formed on the surface of the finished product and this provides the excellent slip effect and moderate anti-blocking performance. It is generally preferred in standard formulations due to its quick migration and low cost. The mechanical and optical properties of the end product are not altered significantly.

Armoslip CP can be applied in a wide range of thermoplastic polymers. The addition level varies from 0.05 to 0.3% depending on the slip effect needed and the presence of other additives.

Armoslip CP act as demolding agents and offers scratch resistance in highly filled PP compounds.

Armoslip CP improves the viscosity of rubber compounds.

Armoslip CP facilitates over-printing and wet-printing when incorporated into ink formulations. These inks have improved slip and anti-blocking characteristics, along with better adhesion and resistance to both scratching and rub-off without undue increase of viscosity.

Armoslip CP may be used to improve the penetration, flexibility and slip or seal properties of wax and resin coated paper and paperboard.

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Armoslip CP also may be used in adhesives, coatings, closures and EVA copolymers; as defoamer in paper and paperboard manufacturing; as a dye solubilizer; and as surface lubricant in the manufacture of metal articles. Armoslip CP show uniform particle size, providing excellent flow behavior

Armoslip CP show uniform particle size, providing excellent flow behavior, enabling easy dosing and mixing.

Armoslip CP is preferred for more demanding applications, as it offers high purity, low color and very low water content compared to other oleamides.

Storage

- Store Armoslip CP in a dry well-ventilated place at 25°C (77°F) max. Prolonged storage over 35°C (95°F) can cause some caking and discoloration. Always keep from direct sunlight.

Shelf life

- The shelf life will be affected by storage conditions such as temperature, humidity, light and handling. When stored under the recommended storage conditions, Armoslip CP will remain within the sales specification for a period of at least 12 months after date of manufacture.

Standard Packaging

- The standard packaging is 44 lb. (20 kg) net in a PE bag. A full pallet carries 2205 lb. (1000 kg) net. Both packaging and transport meet the international regulations.

Food Approvals

- Armoslip CP is approved for applications in articles for indirect food contact and articles to carry drinking water in various countries all over the world.
 - Some examples are (maximum allowed levels in %w/w could vary per application)

EEC	No specific limitation is listed; 60 mg/kg is the generic SML
Australia	PE 0.2%, PP 0.5%, PVC 1%
Japan	PE: Containers 1% and Utensils 2.0%; PVC: Sealing Gaskets 5%
USA	Adhesives, Coatings, Lubricants, Release Agents: Consult the publication for limitations.

This information is intended to provide an overview only and is not intended to be an alternative to reading the Material Safety Data Sheet for the product listed or as a product specification