

	<b>UNI LUB WAX-C</b>			<b>MLA</b> <b>GROUP</b>
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## UNILUB WAX-C

UNILUB WAX-C is an amide wax and has an excellent colour stability and low viscosity at a high temperature when molten. UNILUB EBS-3 is compatible with most waxes and plasticizers. The polarity of its amide group and the non-polarity of the two fatty acid chains make this product an excellent surface active agent. When incorporated in polymers it blooms to the surface forming a layer which increases the throughput rate.

### TYPICAL PHYSIOCHEMICAL PROPERTIES

PROPERTY	UNIT	UNILUB WAX-C
Appearance	-	White powder/ granules
Amine Value	Mg KOH/gm max	3.0
Acid value	Mg KOH/gm max	6.0
Moisture	% max	0.5
Ash Content	% max	0.2
Melting Point	Degree C	140-145
Volatile Matter	% max	1.0
Melt Quality	--	Clear & Transparent

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#### APPLICATIONS:

- It is an excellent plastics processing auxiliary which is suitable for almost all thermosetting and thermoplastic plastics. It has good lubricant property and good anti-adhesive, anti-static properties and can improve remarkably the dispersion of the plastics and fillers. So it is widely used as lubricant, demoulding agent, slippery opening agent and plastic dispersing agent. Addition in plastics processing can improve the melting flowability, raise the working efficiency and retrieve the insufficiency of the fineness of the moulds to make the processed products smooth with luster as well as uniform and bright in color.
- can be used as anti-adhesive agent for various polymer film or sheets. An addition of 0.5-1 % of it can not only prevent the occurrence of air bubbles (fish eye) but also make the plastic bags be slippery so as to be opened easily.

- used as lubricant with good inner or outer lubricant action and has good coordination when used together with other lubricants as high grade alcohols, aliphatic acid esters, calcium stearate and paraffin. In the processing of ABS, AS, hard PVC, polyformaldehyde, polycarbonate, polyurethane and phenolformaldehyde resins, it is used as lubricant demoulding agent with a quantity of 0.5~1.5 %.
- can remarkably enhance the heat-resistant and weather -resistant properties while coordinating with chief stabilizer in formulae of inorganic filler for PVC and polyolefin. As it has strong cohesions with pigment or other filler, it can improve the dispersion and coupling property of fillers in the polymers to enhance the commercial value of the products.
- can be used as nucleation transparency agent to reduce the nucleating time in compounds such as polyolefins, polyformaldehyde and polyamide, promote the structure of resin to become fine, thus improve the mechanical property and transparency of the products..
- can also be used as processing auxiliary of rubber. Besides the lubricant demoulding property and modifying performance of filler surface, it can raise the surface fineness of rubber pipes and rubber plates to act as rubber surface polishing agent. It improves the kneading, processing and vulcanization performance of rubber grains in the processing of fluoro-rubber.
- can be added in the coating production to increase the uniform dispersion of pigment and filler, improve the surface leveling property of baking paint, prevent the stripping off of paint film and improve water-proof and acid-resistant and alkali-resistant property. In nitrocellulose lacquers, it can bring about the flattening action
- In synthetic fiber industry, can improve the heat-resistant, weather-resistant property of polyester and polyamide and bring about certain antistatic effects. It is used in the spinning of antistatic nylon fiber as additive and also is able to reduce the breaking of yarn.

**Dosage : 0.5 % - 1.5 %**