



FINAWAX E

DESCRIPTION : Unsaturated primary amide (Erucamide)

SPECIFICATIONS : Appearance : White Powder / Beads/ Pellets
Acid Value : 1.0 max
Melting Point : $83 \pm 5^{\circ}\text{C}$

(Slight variations in the specifications stated due to raw materials and production conditions are possible though they have no influence on the application properties described.)

APPLICATIONS & PROPERTIES:

FINAWAX E is an excellent release agent for all polyolefins used in rotational and injection moulding e.g. PP syringes, furniture compounds, automobile compounds and other polyolefin compounds.

FINAWAX E:

- Improves mould release, thereby reducing/ eliminating the use of mould release spray
- Allows the use of lower clamp and ejection pin pressure
- Lower rejection rates caused by deformation and pin marks
- Improves melt flow characteristics and reduce cycle time
- Confers a degree of lubricity, possibly reducing screw wear
- Improves the final “feel” of the moulded article and the scratch resistance

METHOD OF USE:

A pre-mixing step is recommended during the processing, in order to achieve maximized effectiveness of FINAWAX E. A simple manual mixing prior to the processing gives an acceptable dispersion, although mechanical mixing is highly preferable. However, using a small quantity of liquid wetting agents like FINALUX G 3/ FINALUX G 101 is beneficial. The optimum dosage level depends upon the polymer type, the complexity of the moulding and the size of the moulding.

USE LEVEL : 0.3 - 0.5 % on total compound weight



OTHER APPLICATIONS:

- In vinyl plastisol to create slip effect in sealing gasket compounds, which are used for container caps of the crown cork and screw type caps.
- In rubber industry, used as a mould release and slip agent in the manufacture of rubber products
- In printing inks for paper & polyolefins, FINAWAX E improves slip and antiblocking properties, enhances spreading properties, promotes adhesion to the printed surface & protects ink from scratching and rub-off
- In PVC films/ profiles, imparts slip properties & smooth / dry feel/ texture

FINAWAX E is recommended in the PVC cable applications to provide slip and water barrier properties.

FINAWAX E is best known for its controlled surface migration property. Surface migration helps in forming a very thin additive layer on the surface resulting into offering slip properties and preventing the ingress of water pick up.

PVC wires specially heat resistance coming into contact with water, may affect the electrical resistance.

FINAWAX E has high thermal stability and excellent water barrier properties, is quite suitable for PVC wire insulation compound, specifically for wet electrical properties. Apart from working as a water barrier in cable insulation, it will also help in thin wire insulation, which is processed on fast speed machines. FINAWAX E enables smooth surface finish to cables.

The recommended dosage level is between 0.25 - 0.75 phr.

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