



PRODUCT INFORMATION DATA SHEET

LIBWAX - E (ERUCAMIDE)

MOLECULAR FORMULA

: $C_{21} H_{41} CONH_2$

SPECIFICATION

Acid Value : 1 Max.
Iodine Value : 72 To 79
Moisture : 0.2% Max
Melting Point : 76°C To 84°C
Amide Content : 97% Min.

PROPERTIES

: ERUCAMIDE is one of the most important nitrogen derivatives of erucic acid. One of its important usages is to be antisticking, lubricant, release agent and anti-static agent of polyethylene (PE) and polypropylene (PP). Adding 0.05 -0.2 percent of erucamide can reduce friction factor from 4.55 to 1.1 between polypropylene films. ERUCAMIDE has a high melting point and a good stability at high temperature. It shows a specially wonderful property at higher temperature comparing with other amides.

ERUCAMIDE is also extensively used in printing ink manufacturing i.e., used in making high speed printing ink, magnetic ink, typing ribbon, carbon paper and metal decorating printing ink to improve the lubricity of printing ink. When printing on plastics, the lubricity of ink-printed portion is the same as that of non-printed portion and there is no binding between them. It is also used in high grade lube-oil, dye dispersant, paper making and textile industries.

APPLICATIONS

: Used as antisticking, anti-static agent and lubricant in plastic film (food grade), cosmetics additives, dispersing agent for printing ink and dye, water-proof and anti-fog agent for paper making and textile industries, foam stabilizer and metal-wire drawing lubricant, etc.