Polymer Add Pte. Ltd.
ISO 9001:2008 Certified Company

POLYMER ADDITIVES	*SLIP AGENT*

Erucamide — Technical Datasheet

Product Information: POLYMER ADD-ERUCAMIDE is a primary long chain fatty acid amide which, due to its high purity and thermostability, is an excellent slip agent for polyolefin's. It is mixed with a polymer; it reduces friction between the polymer and processing equipment and also between the polymer-polymer inters faces.

Product Name	Erucamide		
Grade Name	POLYMER ADD-ERUCAMIDE		
CAS No.	112?84?5		
EINECS No.	204-009-2		
Molecular Formula	C22H43NO		
Synonyms	• Cis-13-Docosenoamide • Erucicacidamide • Kemamide E		
TEST	**SPECIFICATION**		**METHOD**
Appearance	Form : Fine powder /Beads /Micro beads Colour : White to slightly yellow		Visual
Purity	85.0 % Min.		By GC
Total Amide Purity	98.0 % Min.		By Titration
Melting Range	80 - 88 °C		Melting point apparatus (open capillary tube method)
Moisture Content	0.5 % Max.		KF titration
Acid Value	1.0 (mg KOH/g) Max.		Acidimetric titration
Iodine Value	70 - 85		Titration
Solubility at	Solvent	Solubility (gm/100ml)	Visual 25 °C
	Water	Insoluble gm/100ml	

Product Applications:

1. POLYMER ADD-ERUCAMIDE is used in both low density polyethylene and linear low density polyethylene film grade applications.
2. It is particularly more useful for polypropylene film applications because it allows higher processing temperatures.
3. It is also recommended as a mould release agent for polyolefin injection moulding applications.

Product Benifits:

1. POLYMER ADD-ERUCAMIDE migrates slowly to the surface of film.
2. It has better heat stability due to longer chain length.
3. It imparts the lowest coefficient of friction over a period of time.

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Product Dosage: We strongly recommend testing of your own system under the actual conditions of processing and end-use prior to full scale testing. Exact loading must be determined by compositions of the specific polymer systems. However individual dosage information is as follows.

Polymer Details	**Suggested dosage**
Polyethylene film	0.08 - 0.10 % Max.
Polypropylene film	0.10 - 0.15 % Max.
Polyethylene injection molding	Up to 0.3 % Max.
Polypropylene injection molding	Up to 0.3 % Max.

Product Handling & safety:
Please refer to our product MSDS for specific instructions on handling this product.

Product Registration:POLYMER ADD-ERUCAMIDE is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs
Chapter: I - Food And Drug Administration, Department Of Health And Human Services (Continued)
Subchapter: B - Food For Human Consumption (Continued)
Part: 176 - Indirect Food Additives: Paper And Paperboard Components
Subpart: B-Substances For Use Only As Components Of Paper And Paperboard
Section: 176.180 - Components Of Paper And Paperboard In Contact With Dry Food.

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Title: 21 - Food And Drugs
Chapter: I - Food And Drug Administration, Department Of Health And Human Services (Continued)
Subchapter: B - Food For Human Consumption (Continued)
Part: 178 - Indirect Food Additives: Adjuvant, Production Aids And Sanitizers
Subpart: D - Certain Adjuvant And Production Aids
Section: 178.3860 - Release Agents.

Product Disclaimer
Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.
No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seler be liable for incidental, consequential or indirect damanges for alleges negligence breach of warranty, strict liability, and tort or contact rising in connectoin with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use
This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or fur use for which implantation within human body is intended

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