Crodamide™ ER

General	
Chemical description	Erucamide
Physical form	Powder, microbead, bead, pastille
Origin	Vegetable
CAS	112-84-5
EINECS	204-009-2

Applications

Crodamide ER is very effective as a slip agent in polyolefins providing high slip at low dosage levels.

Mode of action

Crodamide ER can be dispersed evenly through the polymer in the melt phase. It migrates to the surface of the polymer where it forms a thin lubricating layer. This layer reduces coefficient of friction between surfaces and prevents any unwanted adhesion.

Features and benefits

- High slip
- Mold release
- Torque release
- Scuff resistance

Recommended polymers

- All polyolefins
- PVC
- EVA
- Nylon
- TPE

Guidelines for use

Crodamide ER is an internal additive and can be incorporated into resin as supplied or via masterbatch / pre-blend. Experience has shown that simple manual mixing prior to processing will normally give an acceptable dispersion though, mechanical means are preferred.
Typical addition levels vary depending on polymer and lubrication required. Croda recommends around 500 – 2000ppm in films and 0.2 – 1.0% in molding applications.

Specification

	Lower	Upper	Units
Acid value	0	1.0	mg KOH/g
Iodine value	75	82	$gI^2/100g$
Melting point	78	81	°C
Colour Gardner	0	2	
Colour Hazen	1	400	
Moisture	0	0.4	%
Amide purity	98	100	%

Physical form, packaging and storage

Crodamide ER can be supplied as either, powder, microbead, bead or pastille in 25kg bags as standard.
Keep tightly closed in a dry, cool and well ventilated place in original packaging only
Shelf life of 365 days

Health and safety data

Crodamide ER is considered to be non-toxic and is not expected to be irritating to skin and eyes.
Material safety data sheets (MSDS) are available upon request

Inventory status

TSCA	Listed	DSL	Listed
AICS	Listed	PICCS	Listed
IECSC	Listed	MITI	(2)-981
Austria	EINECS	KECI	KECI=KE-12791
Switzerland	EINECS	New Zealand	Listed

Food contact statements are available upon request