

Crodamide™ OR

General

Chemical description	Oleamide
Physical form	Powder, microbead, pastille
Origin	Non-vegetable
CAS	301-02-0
EINECS	206-103-9

Applications

Crodamide OR provides high slip performance in polyolefins with quick migration properties.

Mode of action

Crodamide OR 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 OR 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.

CRODA
Polymer Additives

Croda Europe Limited Cowick Hall Snaith Goole East Yorkshire DN14 9AA
Tel +44 (0) 1405 860 551 Fax +44 (0) 1405 861 767
Pa-europe@croda.com www.crodapolymeradditives.com

Crodamide™ slip & anti-block

Specification			
	Lower	Upper	Units
Acid value	0	1	mg KOH/g
Iodine value	85	95	g/100g
Melting point	70	76	°C
Colour Gardner	0	2	
Moisture	0	0.1	%
Amide purity	98	100	%

Physical form, packaging and storage

Crodamide OR can be supplied as either a powder, microbead or pastille in 25kg bags as standard.

Croda recommends storing Crodamides in a dry well ventilated place at 25°C (77°F) max. Prolonged storage over 35°C (95°F) or in direct sunlight can cause agglomeration and discoloration.

Shelf life of 360 days.

Health and safety data

Crodamide OR 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
ENCS	(2)-824	MITI	(2)-976
PICCS	Listed	NEPA	Listed
Austria	EINECS	MEO/ECL	KE-26431
Switzerland	EINECS	Europe	EINECS

Food contact statements are available upon request

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