

Crodamide™ VRX

General

Chemical description	Oleamide
Physical form	Powder, bead
Origin	Vegetable
CAS	301-02-0
EINECS	206-103-9

Applications

Crodamide VRX is very effective as a slip agent in polyolefins providing high slip and improved oxidative stability, colour, odour and shelf-life compared to other oleamides.

Mode of action

Crodamide VRX 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 VRX 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 – 2000 ppm in films and 0.2 – 1.0% in molding applications.

CRODA
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Specification			
	Lower	Upper	Units
Acid value	0	1.0	mg KOH/g
Iodine value	80	88	gI ² /100g
Melting point	72	77	°C
Colour Gardner	0	2	
Colour Hazen	1	400	
Moisture (Bead)	0	0.4	%
Moisture (Powder)	0	0.2	%
Amide purity	98	100	%

Physical form, packaging and storage

Crodamide VRX can be supplied as either, powder or bead in 25 kg 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 365 days.

Health and safety data

Crodamide VRX 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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