

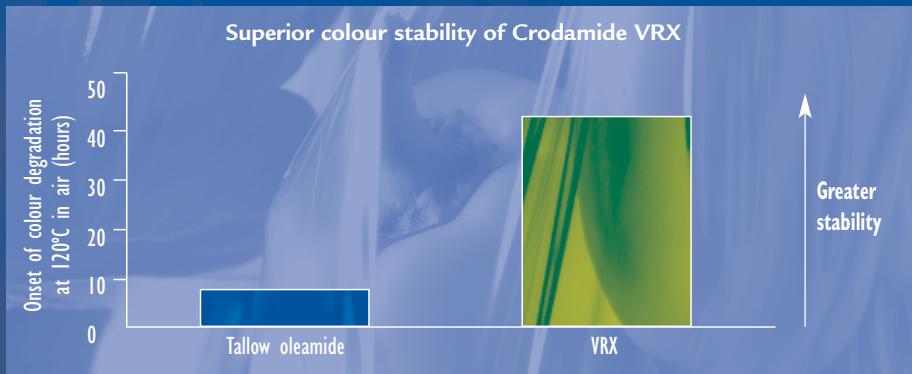
Crodamide VRX

New vegetable grade oleamide

Have you upgraded your slip additive to the new industry-standard oleamide? Based on vegetable-derived raw materials, **Crodamide VRX** is the latest addition to Croda's market-leading range of high performance slip additives for polymers.

Crodamide VRX not only provides the same fast slip as your current oleamide, but additionally shows excellent oxidative stability - all at no extra cost. The superior thermal stability of **Crodamide VRX** means your extrusion process also benefits from reduced colour and odour problems, without compromising on slip performance.

- Vegetable source
- Rapid slip
- Excellent colour
- Superior colour stability
- No extra cost



Vegetable-grade additives are now the preferred option in a wide range of applications, including many plastisols and food contact films. Croda's back-integrated vegetable raw material sourcing guarantees product supply and consistency - giving you the assurance of consistent end product quality.

Why wait any longer? Contact your nearest Croda office and switch to **Crodamide VRX** today!

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CRODA

Crodamide VRX - Vegetable-based oleamide slip additive

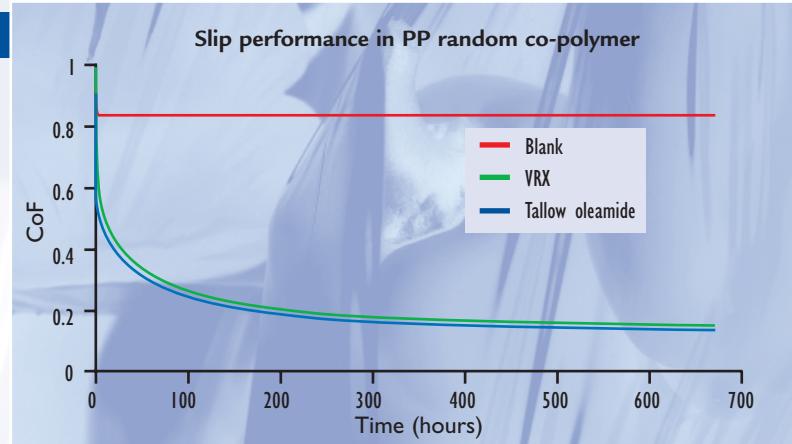
Crodamide VRX is a specially developed, high quality, refined oleamide, derived entirely from GM-free vegetable feedstock. It is designed to replace traditional tallow based oleamides used as slip additives in polymer film.



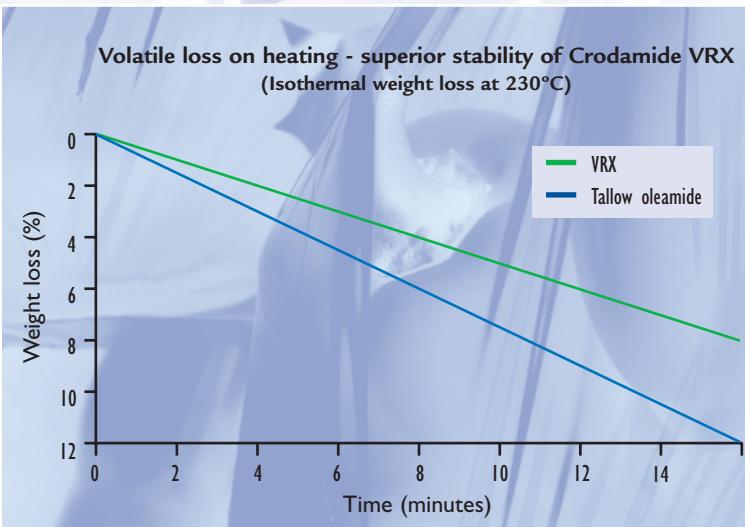
Vegetable-derived products are increasingly seen as the preferred additives for use in sensitive applications such as plastisol and food contact film. Crodamide VRX combines fast slip performance with excellent thermal stability. It also offers improved colour stability, reduced taste and odour, lower volatility, and enhanced flow properties for improved feeding and handling.

Slip performance

Oleamides are used to give rapid generation of slip properties at the surface of polymer films. Crodamide VRX has been shown to provide rapid slip in a range of polymers, including LDPE, LLDPE and PP. This slip generation is equally as effective as that of tallow-based oleamides, however, Crodamide VRX offers the additional benefits of improved colour, odour and stability.



Increased thermal stability



High colour stability and low volatility are important properties of modern slip additives, and an area of weakness for traditional tallow-based additives. Crodamide VRX offers significantly improved colour stability, both during storage and in processing, and also has extended shelf life. During processing the reduced volatility of Crodamide VRX leads to less plate-out and filter blocking. Due to its greater thermal stability Crodamide VRX can be processed at higher temperatures and so may be suitable for a wider range of polymers.

Ease of use

Crodamide VRX is available in both bead and powder form. Addition levels should be identical to those of tallow-based oleamides, and would typically be 500-2000ppm depending on the polymer and formulation. Slip additives are normally added to film grades via a masterbatch or pre-blend, but may also be dosed directly to the polymer using a loss in weight feeder.

Food contact approval

Crodamide VRX is manufactured from GM-free vegetable raw materials, using a proprietary manufacturing process. Crodamide VRX is permitted for use in food contact plastics in the EC and has specific food contact approval in the USA (CFR 21).

Non-warranty

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