



CRODA GMBH

Foundation

- 1960 in Germany as a subsidiary of Croda International Plc.

Turnover

- Croda International Plc.: 1,077 mio £ (2013)

Employees

- 3,545

Branches

- Speciality ingredients for high growth markets including Polymer additives

Polymer Additives

- Diverse applications in polyolefins, PVC, styrenics, polyamides and biopolymers

Key materials

- Additives from natural and renewable raw materials

Key products

- Crodamide™, Atmer™, Incroslip™, IncroMold, Incroflo™, Solasorb™ & Syncroflex™

CRODA

Croda International Plc.

Founded in 1925 in Yorkshire, UK, Croda has developed its position as a leading speciality chemical company producing an unrivalled range of naturally derived products for industry. From personal care to polymer additives, home care to health care, lubricants to crop care, Croda technologies will be at the heart of the finished products. Headquartered in Cowick, UK, Croda International Plc. is represented in 35 countries globally.

Croda GmbH is a subsidiary of Croda International Plc. and based in Nettetal, Germany. From this location we provide many renowned manufacturers and companies in Germany, the Benelux, Switzerland, Austria, Czech Republic and Hungary.

Croda Polymer Additives

The business has grown in recent years to secure its status as leader in the global supply of naturally based speciality chemicals for the polymer industry. Croda are offering speciality additives into a wide range of polymers.

They provide the following effects: slip & anti-block, anti-fog, anti-static, mold release, pigment dispersion, torque release, UV-absorption, & speciality plasticisers.

Continuous innovation

The Polymer Additives product range has continued to grow and now includes over 200 products. Croda has the widest range of products, product forms and packaging to meet customer needs.

In 2013 Croda acquired a 65% equity interest in Sichuan Sipo Chemical Co. Ltd. Sipo manufacture speciality derivatives from natural raw materials and its products include primary amides, novel fatty acids and speciality esters. This investment demonstrates the commitment to meet the needs of the growing polymer market with slip additive technology. The acquisition of Sipo will further enhance Croda's global leadership of fatty acid amides. All our business is supported with global technical experts, high quality manufacturing facilities, local dedicated sales teams and stock-holding close to our customers to give the best possible customer support and service. Croda's innovation is a continuous process with new products being launched at regular intervals. As well as maintaining leadership in established areas Croda now offers unique products in non-organic UV-absorber and speciality plasticisers for the most demanding applications.

Our green credentials

Croda takes environmental responsibilities very seriously and has in recent years achieved significant reductions in its carbon footprint, energy and water consumption.

Carbon footprint

In the last 8 years, our manufacturing facility in Hull has reduced carbon emissions by over 50%. Since the wind turbine was installed the site's imported electricity demand has reduced by 40% and at full output the wind turbine will exceed the site's requirements and be exported to the electricity grid.





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Energy and water consumption

In the last 8 years similar improvements have been seen in energy and water consumption; nearly 60% reduction in energy consumption and just over 60% reduction in water consumption per unit of production.

Other energy saving activities

Croda also minimizes its environmental impact through transport of raw materials. Rape oil is delivered to the site by barge, displacing approximately 1000 trips by road tanker avoiding subsequent traffic congestion and fuel consumption.

Securing our future

The use of slip & anti-block additives in plastics is a practical requirement to bring easier processing and handling. However, performance needs in complex and consumer sensitive applications increasingly demand more from an additive.

Incroslip SL– Excellent oxidative stability

Incroslip SL is a fully saturated product with excellent oxidative stability. This means Incroslip SL will not degrade over time or after exposure to heat and UV light.

High slip performance

With high slip performance comparable with erucamide at low addition levels, Incroslip SL makes polymer processing and handling easier. This is essential during manufacture to stop friction related problems such as difficulty with winding of film rolls and bag production.

Key benefits

- High and long lasting slip performance
- Excellent organoleptics
- High oxidative stability
- Scratch and scuff protection
- Low visible bloom
- Low application and release torque
- Food contact compliance

Incroflo range

In support of future innovation, Croda has announced a new line of speciality additives for wood plastic composites (WPC). To create these materials, plastic and wood need to be processed together quickly and efficiently. Incroflo™ specialty additives act as lubricants to allow increased throughput of WPC during processing by increasing flow rate and dispersion. This allows for lower processing temperatures and pressures during manufacture. In addition, the Incroflo range:

- Acts as a barrier between the WPC and the extruder to reduce wear, especially on screws
- Optimises mechanical performance as measured by MOR, MOE and Charpy impact resistance
- Improves surface finish
- Reduces water absorption, which can lead to warping



Contact

Croda GmbH

Herrenpfad-Süd 33

41334 Nettetal

Germany

Phone: +49 (0) 2157 8173-0

www.croda.de

www.croda.com

Contact person

Julia Tiekemeier

julia.tiekemeier@croda.com