

Addonyl® CR ACTIVATE

Plastic Additives / Cast Nylon

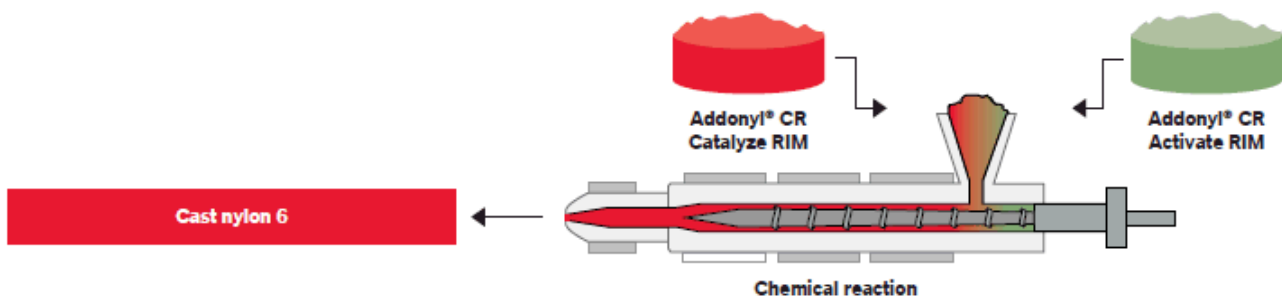
Advantages

The CastReady product range is ideally suitable for direct mechanical processing on two-component (2K) machines.

1. Ready-to-use dispersion of catalyst for the anionic polymerization of ϵ -Caprolactam
2. Homogeneous solid mixtures with a long shelf life
3. Useable with different mashine technologies - RIM or T-RTM
4. Short cycle life feasible - highly cost effective usage

Possible machine technology RIM

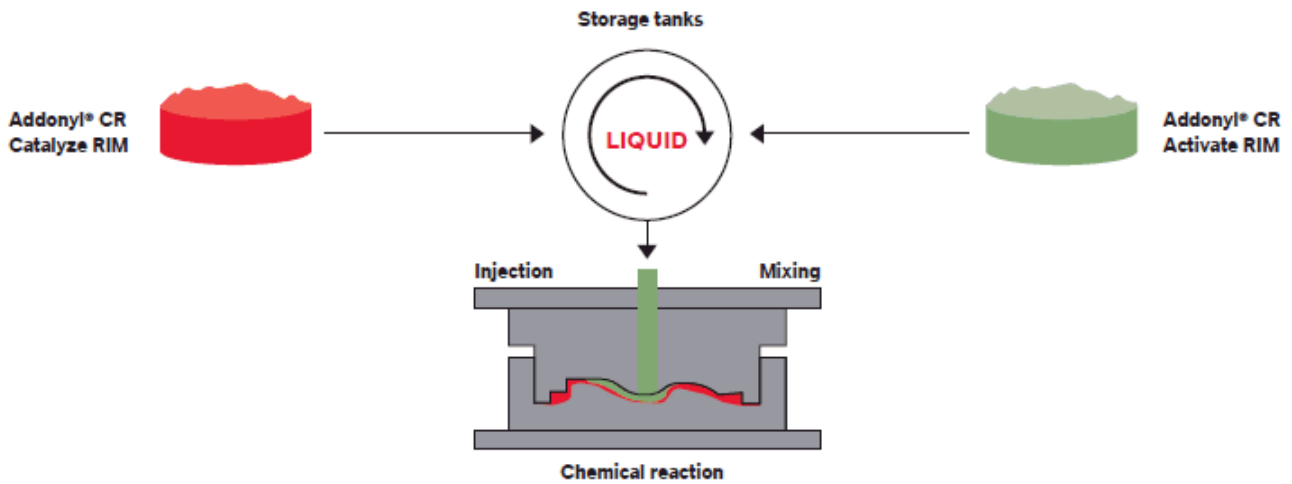
Reaction Injection Molding (RIM) for small parts



1. Ideally suited for direct processing on two-component (2K) injection molding extruders
2. Can be used with existing, only slightly adapted machines

Possible machine technology T-RTM

Thermoplastic Resin Transfer Molding for large parts



3. Ideally suited for direct processing on two-component (2K) injection molding extruders
4. Can be used with existing, only slightly adapted machines

Description

Addonyl® CR ACTIVATE is a ready to use activator batch and it is used in combination with the catalysator batch Addonyl® CR CATALYZE during the production of Cast Nylon (PA-6 G).

You can find further information in our cast nylon brochure, at <http://www.rheinchemie-additives.com> or via mail at plastic.additives@lanxess.com.

Use

The reactivity of the polymerizing melt is influenced by various factors (temperature of the melt and mould, moisture). We recommend an Addonyl® CR ACTIVATE concentration of at least 1:1 by weight with Addonyl® CR CATALYZE .

The caprolactam melt containing the activator is susceptible to oxidation. Thus, we recommend working under inert gas.

Our experts in the Technical Applications Department will gladly assist you in determining the optimal concentration.

Processing temperatures:



Melt: 110 - 130 °C
Mold: 130 - 160 °C
Recommended Dosage: 1 part Addonyl® CR CATALYZE and
1 part Addonyl® CR ACTIVATE

Typical properties

Chemical composition: Addonyl® ACTIVATE is a solid solution of a caprolactam blocked isocyanate in caprolactam.
It has a weak characteristic odour.

Appearance: white flakes

Water content: < 0.03 %

The analytical data are general guide values.

Packaging

40 kg blue metal can / 200 kg per pallet

Storage stability

The product has a shelf life of at least 12 months if handled correctly.

Handling & safety

A receiving inspection is recommended. The catalyst is strongly hygroscopic. Opened containers should be resealed tightly immediately after product has been removed. The product is highly corrosive. Consult material safety data sheet (MSDS) for additional handling information on Addonyl® CR ACTIVATE.

® = registered trade mark



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