

ADNOL™ Chain Cutter

Processing aids for cast polyamide recycling

Product description and application:

ADNOL™ Chain Cutter was developed especially for reprocessing of cast polyamide waste to be able to set different molecular weights specifically for injection molding and extrusion applications. For this purpose, a sufficiently reactive carboxylic acid is used, which is finely dispersed in a special wax matrix and thus acts as a very efficient "chain cutter" for the polyamide chains.

Dosage recommendation:

The recommended **quantity addition** depends on the quality of the recyclate and the desired molecular weight. Best results are achieved for extrusion grades (MW approx. 30-40,000 g/mol) with a dosage of 0.2-0.5 % **ADNOL™ Chain Cutter** and for injection molding grades (15-25,000 g/mol) with dosage of up to 1 %. The addition is best carried out by continuous metering during extrusion and by continuous dosing during compounding.

Properties:

- Change of state: no decomposition products during addition, odorless, easily dispersible
- product form: powder
- Packing: cartons with PE bags of 25 kg net (bulk density approx. 700 g/l)
- Labelling: the relevant safety precautions must be observed when handling chemicals (see safety data sheet)

The above information and advice on technical application (whether verbal, written or by way of production evaluations) is given to the best of our knowledge, but they are non-binding references without warranty, this also applies with respect to any third-party property rights. The advice does not release you from verifying our information and advice - in particular our safety data sheets and technical information - with regards to the suitability of our ADNOL™ for the intended processing and purposes.

Consumption, application and processing of our ADNOL™, as well as your production based on our technical advice, are outside our control and are therefore entirely your responsibility. Our ADNOL™ is sold in accordance with our current general terms and conditions of sale and delivery.