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)