

ADNOL™ Flow

Processing aids for cast polyamide recycling

Product description and application:

ADNOL™ Flow is a processing aid for extrusion and injection molding of polyamide recyclate, especially for extrusion of cast polyamide waste, where it is important to minimize the shear force to avoid uncontrolled temperature rise and degradation of the polymer. This is achieved by a specific, largely nonpolar polyolefin, which is well tolerated by the polyamides with dosage of up to 2 %.

Benefits of ADNOL™ Flow:

- Reduction of unwanted shearing, less build-up and deposits on machine parts (screw, wall and nozzle)
- Excellent effectiveness as mold release agent (injection molding) and slip agent (films)
- Low volatility, no decomposition up to approx. 300 °C

Dosage recommendation:

The recommended *quantity addition* depends on the specific application and desired effect. Best results are achieved with dosage of 0.3 - 2.0 % in the feeding station or as premix.

Properties:

- Change of state: melting point > 120 °C, composition of synthetic polyolefins
- Appearance: white powder
- Packing: cartons with PE bags of 25 kg net (bulk density approx. 500 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.