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)