



Masterbatches e Additivi per Materie Plastiche ed Elastomeri

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HydroStab DF-900

Informazioni Tecniche

General

Chemical Name	Dustfree granulate from Poly- and Monocarbodiimides
Description	Pelletized polymer additive mixture, containing Poly- and sterically hindered Monocarbodiimides
CAS nr.	2925 19 95

Typical Data

Appearance	yellowish pellets
Melting Point	ca. 140 – 160°C
NCN content	approx. 16 %
Solubility(20°C)	almost insoluble in water and ketones, less soluble in alcohols, soluble in polyesters and most organic solvents

Application

HYDROSTAB DF-900 is a pelletized hydrolytic stabilizer consisting sterically hindered Mono and Polycarbodiimides. **HYDROSTAB DF-900** is mainly used for polymers containing ester and amide groups. The main application of **HYDROSTAB DF-900** is the long term stabilisation. During the extrusion process, an increase in viscosity can be achieved, depending on the dosage. If a short time or process stabilisation is needed, we recommend the use of **HYDROSTAB DF-900**.

Main applications:

Main fields of application are stabilization of polyesters (including PET, PBT and PEE) and a wide range of polyurethane systems based on polyester polyols as well as polyamides and other plastics susceptible to hydrolysis. The main advantage of **HYDROSTAB DF-900** is the simple and dust free handling, which allows an exact dosage, if wanted as a pre-mixture with the polymer, without the use of any further devices.

Application Examples:

The optimum quantity of **HYDROSTAB DF-900** in the production of monofilaments or industrial injection mouldings made of PET or polyamide is generally in the range of 0.5 to 1.5% depending on the desired degree of hydrolytic stability.

The recommended quantity for PU systems based on polyester polyols, for example high-performance parts from TPU, is 0.7 to 1.5%. For certain applications, e.g. in EVA, **HYDROSTAB DF-900** is used between 3.0 to 5.0%.

Packaging

PE valve bags with 15 kg net content, shrink-wrapped on pallets (900 kg net)

Storage

Storage Advice	Keep package closed. Store dark and dry
Retest Period	2 years

Material Safety Data Sheet is available upon request