



Nimir Specialty Chemicals FZE

INO-SIZE 710

Acrylic based sizing agent specially developed for warp yarns composed of polyester or nylon filaments.

Nature:	Polyacrylate
Ionicity:	Anionic
Physical Form:	Translucent, slightly yellow liquid
Odour:	Acrylic odour
pH as supplied:	7.5 ± 0.5
Storage:	Shelf life up to 12 months subject to storage in sealed containers away from direct sunlight.
Compatibility:	Compatible with nonionic and anionic products.

Principal Properties:

- INO-SIZE 710 imparts excellent weaving characteristics in high speed water jet looms.
- Aids lubrication and reduces static problem.
- Forms a tough, flexible film which has excellent adhesion to nylon and polyester.
- Excellent penetration into filament.
- Contains additives to reduce biological attack.
- Gives a very smooth film resulting high weaving efficiency.
- Highly concentrate, easy to mobile liquid.
- Good stability to water hardening substances.
- Readily washed out in the subsequent desizing process.
- Does not skin or foam.

Action:

Sizing efficiency highly depends upon the following factors:

Cohesion:	the strength of the size film
Adhesion:	the strength of the bond of the size to the fibre
Film Homogeneity:	Even distribution of all components ensuring high efficiency in sizing and weaving
Washing:	Easily removable during desizing

INO-SIZE 710 is specially engineered to imparts all these properties in the sizing recipes. By increasing cohesion, adhesion, film homogeneity and removability, INO-SIZE 710 gives excellent sizing effects and weaving performance.

Application:

INO-SIZE 710 is easy to use; the required quantity is added to water at $55 \pm 5^\circ \text{C}$ and stirred until homogenous.

The application rate depends upon a number of factors such as type of filament, density of the weave and type of loom etc. As a reference 6-12% of the Size bath concentration would be adequate to obtain optimum results.

Care should be taken to clean the size application equipment before using INO-SIZE 710 to avoid precipitation with other acidic sizes commonly used on Nylon filament.

Packing:

Packing: INO-SIZE 710 is supplied in 160 Kg drums.

Safety:

Due attention should be given to the precautions for handling chemicals provided in our Material Safety Data Sheet.

Remarks:

The information submitted in this publication is given in good faith but without warranty. In view of the many factors that may affect the application, users are recommended to carry out their own trials to determine the suitability of the product for their practical requirements. We cannot accept responsibility for any damage or loss resulting from the use of this information.