

UNIPLEX FE-703 Fluorochemical Additive

Description: A solid fluorochemical polyester containing 46 % aliphatic fluorine. This product is useful in improving water, alcohol, and oil repellence of various vinyl polymeric systems. Resin systems compounded with this product have high chemical flame resistance, minimal thermal discoloration, and excellent light stability and dielectric properties. The normal starting use level is 1800-4000 ppm Fluorine to achieve the above mentioned properties.

Applications: Soil resistant PVC Resins for outdoor uses.
Medical applications (non-wovens) as an internal additive where resistance to alcohol, blood, and urine (low surface tensions fluids) is required. A short annealing time at 110°C is required for the fluorochemical additive to migrate to the surface.

Typical Properties:

Fluorine Content (%)	46 min.
Thermal Stability (5% Loss)	247°C
Melting Range (°C)	40-46
Flash Point (°F)	>450

General Specifications:

Appearance	Light yellow solid
Ester Content (% by GC)	99 min.
Acidity (mg KOH/g)	4 max.
Water Content (% , Karl Fischer)	0.1 max.

Health & Safety: Refer to Material Safety Data Sheet (MSDS)

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