

StarPel™ FC FSO-6

Fluoroalkyl acrylate copolymer emulsion

Preliminary Product Description

Being based upon C6 fluoroalkyl copolymer the STARPEL™ FC FSO-6 is an eco-friendly, durable oil and water repellent for polyester, cotton, nylon fabrics and nonwovens.

STARPEL™ FC FSO-6 is compatible with most finishing products normally used in pad finishing.

Special Properties

- Imparts durable oil repellency
- Extreme durability
- Non-flammable
- Maintains soft hand

Typical Physical Properties*

Appearance.....liquid emulsion
 Color.....off-white
 Ionicity.....weakly cationic
 pH (100%)..... 2.0–5.0
 Odor.....mild
 % Solids.....18%
 Solubility.....dispersible in water

** These items are provided as general information only. They are approximate values and are not considered part of the product specifications.*

Application

STARPEL™ FC FSO-6 is generally applied by padding in a finishing application and allows for a soft hand. The product should be dried and then cured on the fabric or nonwoven material.

Usage Levels

Fabric	100% Cotton
Usage Level	3.0-6.0% owb
% Wet Pick-up	60-70
Curing Conditions	320-360°F (160-182°C) for 1 min
Fabric	Pulp/SMS Nonwoven
Usage Level	2.0-4.5% owb
% Wet Pick-up	100-130
Curing Conditions	275-320°F (135-160°C) for 2 min
Fabric	100% Polyester
Usage Level	3.0-5.0% owb
% Wet Pick-up	50-60
Curing Conditions	340-380°F (171-193°C) for 1 min
Fabric	100% Nylon
Usage Level	3.0-6.0% owb
% Wet Pick-up	50-60
Curing Conditions	340-380°F (171-193°C) for 1 min

Expected Results

Durability to home laundry up to 30 washes possible based upon optimum conditions and fabric processed.

Storage

If exposed to temperatures below 32°F (0°C) for long periods, STARPEL™ FC FSO-6 may freeze. If this occurs, thaw at room temperature and mix well before using.

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