



# Flexisperse™ PM-20C

Cationic soil-resist polymer

## Overview

- Cationic, anti-soiling polymer additive for carpet, rug and upholstery cleaners and protectors
- Effective in Oil & Water repellents for improved dry soil resistance and ambient cure durability
- Formulates readily with cleaning products for enhanced re-soil resistance
- Readily dilutes in water to form stable emulsions, compatible with cationic and nonionic surfactants, polymers and builders

## Applications

- Carpet, rug and upholstery cleaners
- Carpet, rug and upholstery protectors

## Technical Information

Flexisperse PM-20C is a specialty cationic emulsion polymer developed to impart anti-soiling properties to cleaning formulations and protectors of soft surfaces, especially carpets, rugs and upholstery. The active component in PM-20C is very hard, non-hygroscopic and non-film forming. When formulated into cleaning products, Flexisperse PM-20C reduces the re-soiling caused by residual surfactants. When formulated into repellent and soil release protection products, Flexisperse PM-20C increases the durability and soil resist properties.

## Formulary

Flexisperse PM-20C is added to cleaning formulations at a 0.5% to 50.0% by weight level depending on the anti-soil protection performance desired, and the concentration/dilution rate of the formulated product. This additive level will depend heavily on the composition of the formula, specifically the type and level of components that can leave soil attracting residues. In cleaning product formulations, this will vary based on the application. Typically, the amount of PM-20C will be determined on a case by case basis depending on the other components.

Formulations utilizing Flexisperse PM-20C will be emulsions and care should be taken to evaluate the finished formula for freeze/thaw and heat stability.

For anionic systems, use Flexisperse PM-25 anionic soil resist polymer.

## Typical Properties

PROPERTY	VALUE
Appearance	Translucent, white emulsion
Odor	Mild
Ionic character	Cationic
Water solubility	Dispersible
pH, as is	4.0±1.0
Density@25°C	1.03±0.02 g/ml
Boiling point	>100°C
Flash point	Does not ignite below 100°C
Storage	Stable to freezing
Shelf life	12 months

## Packaging and Handling

Flexisperse PM-20C is available in:  
275 gallon totes (Net Wt. 2250 lbs)  
55 gallon plastic drums (Net Wt. 450 lbs)  
5 gallon pails (Net Wt. 40 lbs)

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Non-Regulated

Whether you're looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

*Please refer to back page for important information*

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