

Hyflon® MFA® D5510

Perfluoropolymer

Solvay Specialty Polymers

Описание материалов:

Hyflon® D5510 is a white aqueous MFA dispersion. Hyflon® D5510 exhibits excellent wetting properties and high shear stability. Hyflon® D5510 has very good film forming behavior and is especially suited for top-coat passes to produce final items with superior gloss. Due to its features, it can of course also find use in formulations for coating applications.

Main features of Hyflon® MFA® D5510 dispersion are:

NO polyethoxylated alkylphenols

Excellent wetting properties

Superior gloss of final items

Главная Информация			
Характеристики	Подсветка Быстрое смачивание		
Используется	Применение окунания Нанесение покрытия		
Внешний вид	Белый		
Формы	Жидкость		
Физический	Номинальное значение	Единица измерения	Метод испытания
Плотность	1.41	g/cm ³	ASTM D4441
РН	> 9.0		ASTM D4441
Средний размер частиц	180	nm	Internal method
Вязкость брокфилда (20°C)	20	mPa·s	ASTM D2196
Содержание MFA ¹	55.0	wt%	ASTM D4441
Неионный ПАВ ²	3.5	wt%	ASTM D4441
Тепловой	Номинальное значение	Единица измерения	Метод испытания
Температура плавления	310	°C	ASTM D4591
Дополнительная информация	Номинальное значение	Единица измерения	Метод испытания

Processing

Hyflon® D5510 is processed according to methods generally used for conventional impregnation technology. Generally the procedure involves dip-coating and then heating to remove water and surfactant from the impregnated item. Depending on the application, sintering above the melting point of the coated resin may be carried out to obtain the finished coated articles.

Hyflon® D5510 can be processed neat or appropriately formulated. Also, it can be used diluted using distilled or deionized water. Formulation, line speed and oven temperature must all be well controlled for optimized features of the coated substrates.

Storage and Handling

Hyflon® MFA® dispersions must be stored under suitable temperature conditions to ensure prolonged stability. Temperatures lower than 5°C must be avoided to prevent irreversible settling. Also, some settling may occur on prolonged standing and/or heat exposure. It is therefore strongly recommended that the product is always kept at temperatures below 35°C. The optimum storage temperature range is 10 - 25°C. It is also advisable that the product is homogenized by gentle rolling or stirring once per month and prior to use.

Prolonged exposure of the liquid to air could lead to some coagulation at the surface due to water evaporation. For this reason and also to avoid contamination, it is recommended to keep the containers closed when not in use.

Safety and Toxicology

Before using Hyflon® MFA® dispersions consult the product Material Safety Data Sheet and follow all label directions and handling precautions. As with all PTFE materials, handling and processing should only be carried out in well ventilated areas. Venting units should be installed above processing equipment. Fumes must not be inhaled and eye and skin contact ought to be avoided. In case of skin contact wash with soap and water. In case of eye contact flush with water immediately and seek medical help. Do not smoke in areas contaminated with powder, vapor or fumes. See Material Safety Data Sheet for detailed advice on waste disposal methods.

Packaging

Hyflon® D5510 is packaged in either 25 kg drums or 1300 kg IBC's.

NOTE

1. On the mixture
2. On the mixture

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