

Diofan® P 520

Polyvinylidene Chloride

Solvay Specialty Polymers

Описание материалов:

Diofan® P 520 is a one-component, water-based dispersion of a polyvinylidene chloride (PVDC) copolymer. It is free of solvent traces, alkylphenol ethoxylates or any other toxic substances. Due to its low oxygen and water vapor permeabilities along with low water absorption, Diofan® P 520 is an outstanding protective copolymer used in a broad variety of formulations that are specific to end-use requirements.

This material was developed to adhere on metal and to remain flexible when exposed to a broad range of end-use temperatures over time. This makes it an ideal binder for one-component, air drying, waterborne formulated paints and coatings where long-lasting protection of the substrate is targeted.

Diofan® P 520 also provides excellent chemical resistance and flame-retardant properties. Typical applications are:

Corrosion-resistant primers and coatings for industrial and heavy duty steel protection

Automotive primers and underbody coatings

Rust converter products

Barrier and sealing coatings

Flame-retardant coatings

Fibers and textile coatings

Главная Информация

Характеристики	Низкий уровень Лос	
	Влагостойкий	
	Хорошая адгезия	
	Хорошая химическая стойкость	
	Нетоксичный	
	Огнестойкий	
	Кислородный барьер	
Используется	Защитное покрытие	
	Нанесение покрытия	
Рейтинг агентства	EC 1907/2006 (REACH)	
	Европа без 10/2011	
Внешний вид	Молочно-белый	
Формы	Жидкость	
Физический	Номинальное значение	Единица измерения
РН	1.5	
Поверхностное натяжение	45	mN/m
Свойство формирования пленки-Температура формовки пленки	10	°C
Содержание твердых веществ	56	%
Плотность-Дисперсия (влажная)	1.260	g/cm ³
Тип эмульсии	anion	

Срок годности	8	month
Тепловой	Номинальное значение	Единица измерения
Температура перехода стекла ¹	14.0	°C
Дополнительная информация	Номинальное значение	Единица измерения

DELIVERY AND STORAGE

Diofan® P 520 is delivered in bulk or in Intermediate Bulk Containers (IBC). Bulk supplied latex should be stored in reservoirs made of suitable stainless steel, HDPE, rigid PVC or glass fiber-reinforced polyester.

Contact of anionic Diofan® dispersion with metals like iron, zinc, aluminum and copper as well as alloys such as brass and bronze must be avoided. Keep the vessels tightly closed to prevent drying through evaporation. Store the product ideally between 5°C and 25°C (41 °F and 77°F) to avoid degradation.

FOOD AND DRUG LEGISLATIONS

Some agency ratings are listed on page 1. Necessary certification will be provided upon request.

ISO CERTIFICATION

The implemented management system for the production, internal transfer and delivery, design and development of Diofan® vinylidene chloride copolymers (PVDC) produced in Tavaux has been assessed and found to meet the requirements of ISO 9001: 2008, ISO 14001: 2004 and OHSAS 18001: 2007.

NOTE

1. Glass transition temperature of dry Latex

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