Diofan® A 585

polyvinylidene chloride

Diofan® A 585 is a PVDC dispersion specially designed for flexible coatings on cellulosic and textile casings.

General		
Material Status	• Commercial: Active	
Availability	• Europe	
Features	• Flame Retardant • Low VOC • Moisture Barrier	• Non-Toxic • Oxygen Barrier
Uses	• Barrier Coatings • Coating Applications • Fabric Coatings	• Non-wovens Coatings • Wovens Coatings
Agency Ratings	• EC 1907/2006 (REACH) • EU No 10/2011	• FDA [1]
Appearance	• Milky White	
Forms	• Liquid	

Physical	Typical Value	Unit
Density		
Coated film (dry)	1.65	g/cm³
Dispersion (wet)	1.27	g/cm³
Emulsion Type	Anionic	
Filmability - Film forming temperature	13	°C
pH	1.9	
Solids Content	55	%
Surface Tension - Foaming tendency	50	mN/m

Additional Information	Typical Value	Unit
Shelf Life (23°C)	6	month

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DELIVERY AND STORAGE

- Diofan® A 585 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 30°C (41 °F and 86°F) to avoid degradation.

PROCESSING - DRYING

- Diofan® A 585 can be processed with different coating techniques, including reverse gravure roll and air knife coating systems.
- When coated on plastic films, Diofan® A 585 should be formulated with wax and silica in order to improve the blocking and slip properties of the finished coating.
- Diofan® coatings requires adequate drying conditions, since in general higher temperatures will contribute to better barrier properties.

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.

Notes

Typical properties: these are not to be construed as specifications.

[1] Please contact your Account Manager to request an EU food contact and/or FDA letter which provides the specifications for compliance with these regulations.

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