

Solvay Specialty Polymers Diofan® A610 Polyvinylidene Chloride (PVDC) (discontinued **)

Category : Polymer , Thermoplastic , PVDC , Polyvinyl Dichloride (PVDC)

Material Notes:

DIOFAN® A610 is a water based dispersion of a polyvinylidene chloride copolymer. It is free of solvent traces, alkylphenol ethoxylates or any other toxic substances. It features exceptional barrier properties to water vapor and oxygen. DIOFAN® A610 is a high surface tension latex; the addition of a convenient surfactant will enable to obtain a good quality coating as well as the addition of a coalescent agent to facilitate film formation at low temperature (< 10°C). DIOFAN® A610, as chlorinated based latex, combines also fire retardant properties.

END USES: - Barrier and sealing coatings - Flame resistant coatings - Fibers and textile coatings Where substrates can be concrete, cement, wood, gypsum, paper, fiberboard, ...

Additional Information: DELIVERY AND STORAGE: - DIOFAN® A610 will be delivered in bulk or in Intermediate Bulk Containers (IBC). Storage of bulk latex is in reservoirs made of stainless steel, HDPE, rigid PVC or glass fiber reinforced polyester. In particular, metals like iron, zinc, aluminum and copper as well as alloys like brass and bronze have to be avoided for contact with the dispersions. To prevent from drying by evaporation, please keep the vessel tightly closed. To avoid degradation, store the product preferably between 10 and 25°C.

REGULATORY INFORMATION - The monomers used for the production of DIOFAN® A610 comply with the requirements of the EU Commission Regulation No. 10/2011 of 14 January 2011. - DIOFAN® A610 complies fully with the U.S. Federal Food, Drug and Cosmetic Act and all applicable food additive regulations. - The monomers used for the production of DIOFAN® A610 comply with the Regulation (EC) 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). - SolVin will provide further certification documentation 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

Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Diofan-A610-Polyvinylidene-Chloride-PVDC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	
	1.65 g/cc	1.65 g/cc	Film
Solids Content	60 %	60 %	
pH	1.5	1.5	
Water Vapor Transmission	14.0 g/m ² /day	0.902 g/100 in ² /day	90% RH; 1 µm
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	>= 40.0 cc/m ² /day	>= 2.58 cc/100 in ² /day	25°C, 1.0 µm, 85% RH
Surface Tension	54 dynes/cm	54 dynes/cm	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	16.0 °C	60.8 °F	Film; DSC

Thermal Properties	Metric	English	Comments
Descriptive Properties	Value	Comments	
Agency Ratings	EC 1907/2006 (REACH)		
	EU No 10/2011		
Appearance	Milky white liquid		
	White		
Availability	Asia Pacific		
	Europe		
	North America		
Emulsion Type	Anionic		
Features	Barrier Resin		
	Flame Retardant		
	Non-Toxic		
Filmability	11°C	Minimum Film Forming Temperature	
Forms	Liquid		
Generic	PVDC		
Uses	Coating Applications		

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