

Solvay Specialty Polymers Diofan® A602 Polyvinylidene Chloride (PVDC) (discontinued **)

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

Material Notes:

DIOFAN® A602 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 strong barrier properties to water vapor and very low water absorption. DIOFAN® A602 offers also a very good resistance to oil and benzene. Thanks to a very low MFFT, this waterborne binder can be applied at low temperature as a flexible and tack free film. DIOFAN® A602, 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® A602 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® A602 comply with the requirements of the EU Commission Regulation No. 10/2011 of 14 January 2011. - DIOFAN® A602 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® A602 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: 2007Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Diofan-A602-Polyvinylidene-Chloride-PVDC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	
	1.58 g/cc	1.58 g/cc	Film
Solids Content	55 %	55 %	
Water Absorption	1.8 %	1.8 %	Film
	@Time 86400 sec	@Time 24.0 hour	
pH	4.0	4.0	
Water Vapor Transmission	160 g/m ² /day	10.3 g/100 in ² /day	90% RH; 1 µm
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	>= 1000 cc/m ² /day	>= 64.4 cc/100 in ² /day	25°C, 1.0 µm, 0% RH
Viscosity	19 cP	19 cP	Shear gradient 250 s ⁻¹

Physical Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
Surface Tension	33 dynes/cm	33 dynes/cm	

Mechanical Properties	Metric	English	Comments
Tensile Strength	14.0 MPa @Temperature 23.0 °C	2030 psi @Temperature 73.4 °F	
Elongation at Break	110 % @Temperature 23.0 °C	110 % @Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	7.00 °C	44.6 °F	Film; DSC

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 Low to No Water Absorption Non-Toxic Oil Resistant	
Filmability	5°C	Minimum Film Forming Temperature
Forms	Liquid	
Generic	PVDC	
Uses	Coating Applications	

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