

## Solvay Specialty Polymers Diofan® P530 Polyvinylidene Chloride (PVDC) (discontinued \*\*)

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

### Material Notes:

DIOFAN® P530 is an one-component latex, water based dispersion of a polyvinylidene chloride copolymer. It is free of solvent traces, alkylphenol ethoxylates or any other toxic substances. Developed to adhere on metal and to keep its flexibility with time and in a broad temperature range, it is the ideal binder for one-component, air drying, waterborne formulated paints and coatings where high protection of the substrate is targeted. DIOFAN® P530 combines also high chemical resistance and fire retardant. END USES: - Anticorrosion primers and coatings for industrial and heavy duty steel protection - Automotive primers and underbody coatings - Rust converter products - Barrier and sealing coatings; Flame resistant coatings; Fibers and textile coatings. Additional Information: DELIVERY AND STORAGE: - DIOFAN® P530 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® P530 comply with the requirements of the EU Commission Regulation No. 10/2011 of 14 January 2011. - DIOFAN® P530 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® P530 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-P530-Polyvinylidene-Chloride-PVDC-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Diofan-P530-Polyvinylidene-Chloride-PVDC-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	
Solids Content	58 %	58 %	
pH	1.7	1.7	
Water Vapor Transmission	52.0 g/m <sup>2</sup> /day @Temperature 38.0 °C	3.35 g/100 in <sup>2</sup> /day @Temperature 100 °F	90% RH; 1 µm
Oxygen Transmission Rate	230 cc/m <sup>2</sup> /day	14.8 cc/100 in <sup>2</sup> /day	25°C, 1.0 µm, 0% RH
Surface Tension	40 dynes/cm	40 dynes/cm	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	13.0 °C	55.4 °F	Film; DSC

Thermal Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	

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	
	Good Adhesion	
	Good Chemical Resistance	
	Non-Toxic	
Filmability	9°C	Minimum Film Forming Temperature
Forms	Liquid	
Generic	PVDC	
Uses	Coating Applications	

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