

Solvay Specialty Polymers Diofan® A 736 Polyvinylidene Chloride (PVDC) (Unverified Data**)

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

Material Notes:

DIOFAN® A 736 is a PVDC latex used as a flexible underlayer for coating on paper, cardboard and rigid PVC foils, to be covered with an appropriate topcoat. Additional Information: PROCESSING - DRYING - DIOFAN® A 736 has a medium surface tension. It can be processed with different coating techniques, including reverse gravure roll and air knife coating systems. - A good quality coating requires adequate drying, since higher temperatures will result in better barrier properties. FOOD AND DRUG LEGISLATIONS - The monomers used for the production of DIOFAN® A 736 comply with the requirements of the EU Commission Regulation No 10/2011 of 14 January 2011. - All the components are listed in the European Resolution AP 2004 (Surface coating intended to come into contact with foodstuffs). - DIOFAN® A 736 complies with U.S. FDA chapters 21 CFR 176.170 and 176.180. - The drug master file number for DIOFAN® A 736 is 11383. - The monomers used for the production of DIOFAN® A 740 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 necessary certification upon request by its customers. 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.

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http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Diofan-A-736-Polyvinylidene-Chloride-PVDC-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.300 g/cc	0.04697 lb/in ³	
	1.650 g/cc	0.05961 lb/in ³	Coating; 40 g/m ² PVDC coating on PVC 250
Solids Content	60 %	60 %	
pH	2.5	2.5	
Water Vapor Transmission	18.0 g/m ² /day	1.16 g/100 in ² /day	90% RH; 1 µm Coating on PVC
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	21.0 cc/m ² /day	1.35 cc/100 in ² /day	25°C, 1.0 µm, 85% RH; Coating on BOPP
Viscosity	20 cP	20 cP	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Surface Tension	45 dynes/cm	45 dynes/cm	Foaming tendency

Mechanical Properties	Metric	English	Comments
Tensile Impact Strength	500 kJ/m ²	238 ft-lb/in ²	Coating properties: 40 g/m ² PVDC coating on PVC

Mechanical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	23°C

Descriptive Properties	Value	Comments
Agency Ratings	EC 1907/2006 (REACH)	
	EU No 10/2011	
	FDA 21 CFR 176.170	
	FDA 21 CFR 176.180	
Availability	Asia Pacific	
	Europe	
	North America	
Ball Drop Test	> 900 mm	
Emulsion Type	Anionic	
Features	Good Flexibility	
Filmability	17°C	Minimum Film Forming Temperature
Forms	Liquid	
Generic	PVDC	
Uses	Coating Applications	

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