

Solvay Specialty Polymers Diofan® A 050 Polyvinylidene Chloride (PVDC) (Unverified Data**)

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

Material Notes:

DIOFAN® A 050 is a standard grade PVDC latex for coating on various substrates. It is generally used as a topcoat on paper, cardboard and as a coating on plastic films. Additional Information: PROCESSING - DRYING - DIOFAN® A 050 exhibits excellent mechanical stability that allows it to be processed with different coating techniques, including reverse gravure roll and air knife coating systems. - When coating plastic films, DIOFAN® A 050 should be formulated with wax and silica in order to improve the blocking and slip properties of the finished coating. - A good quality coating requires adequate drying, since higher temperatures will result in better barrier properties. FOOD AND DRUG LEGISLATION - The monomers used for the production of DIOFAN® A 050 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 (1) (Surface coating intended to come into contact with foodstuffs). - DIOFAN® A 050 complies with U.S. FDA chapters 21 CFR 175.105, 175.300, 176.170, 176.180 and 177.1630. - The monomers used for the production of DIOFAN® A050 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.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Diofan-A-050-Polyvinylidene-Chloride-PVDC-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.300 g/cc	0.04697 lb/in³	
	1.650 g/cc	0.05961 lb/in³	Coating on BOPP
Solids Content	58 %	58 %	
pH	3.0	3.0	
Water Vapor Transmission	16.0 g/m²/day	1.03 g/100 in²/day	90% RH; 1 µm Coating on BOPP
	@Temperature 38.0 °C	@Temperature 100 °F	
Oxygen Transmission Rate	54.0 cc/m²/day	3.48 cc/100 in²/day	25°C, 1.0 µm, 85% RH; Coating on BOPP
Viscosity	10 cP	10 cP	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Surface Tension	32 dynes/cm	32 dynes/cm	Foaming tendency

Mechanical Properties	Metric	English	Comments
Coefficient of Friction, Dynamic	0.21	0.21	vs. Itself - Coating on BOPP

Mechanical Properties	Metric	English	Comments
Heat Seal Strength Initiation Temperature	111 °C	232 °F	Heat Seal Threshold: 0.4 N/cm; Coating on BOPP

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 175.105	
	FDA 21 CFR 175.300	
	FDA 21 CFR 176.170	
	FDA 21 CFR 176.180	
	FDA 21 CFR 177.1630	
Availability	Asia Pacific	
	Europe	
	North America	
Emulsion Type	Anionic	
Filmability	18°C	Minimum Film Forming Temperature
Forms	Liquid	
Generic	PVDC	
Heat Seal Maximum Resistance	2.3 N/cm	Coating on BOPP
Uses	Coating Applications	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China