

Diofan® B 203

Polyvinylidene Chloride

Solvay Specialty Polymers

Message:

DIOFAN® A 036 is a PVDC latex, suitable as a tough bottom layer, used under the coating of paper or thick cardboard, and then covered with an appropriate surface coating.

General Information			
Features	Moisture proof		
	Oxygen barrier		
Uses	Barrier Coatings		
	Coating application		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 175.320		
	FDA 21 CFR 177.1630		
	Europe No 10/2011		
Appearance	milky white		
Forms	Liquid		
Physical	Nominal Value	Unit	
pH	1.7		
Surface tension-Foaming trend	42	mN/m	
Film formation-Minimum film forming temperature	14	°C	
Solids Content	51	%	
Density			
Coated film (dry)	1.650	g/cm ³	
Coating ¹	1.270	g/cm ³	
Emulsion type	anion		
Viscosity-Dynamic(20°C)	17	mPa · s	
Oxygen transfer rate-(25°C, 85% RH, 1.0 µm) ²	11	cm ³ /m ² /bar/24 hr	ASTM D3985
Heat Sealing Threshold-0.4 N/cm ³	123	°C	
Maximum heat seal resistance-20 psi - 1s - 1 heated jaw	1.0	N/cm	
Shelf life (23°C)	6	month	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction ⁴ (vs. Itself - Dynamic)	0.35		ASTM D1894
Films	Nominal Value	Unit	Test Method

Water Vapor Transmission Rate ⁵ (38°C, 90% RH, 1.0 µm)	11	g/m ² /24 hr	ASTM F1249
Additional Information	Nominal Value	Unit	
加工- 干燥 DIOFAN® A 036 涂料作为韧性底漆,上面应批覆一层面漆如DIOFAN® A 050.该材料表面张力低,逆向凹版辊涂法和气刀法可作为合适的涂布方法. 高品质涂层需要适当的干燥手段,因为高温有助于形成更好的阻隔性能. 食品及药品法规 DIOFAN® A 036 生产用单体符合2011年1月14日欧盟委员会条例第10 / 2011的要求. 所有元素均在欧洲决策委员会AP 2004(1) (计划与食品接触的表面涂层)中列出. -DIOFAN® A 036 符合美国FDA第 21 CFR 175.320,176.170和 176.180章规定. DIOFAN® A 036生产用单体符合欧洲议会(EC)签署的1907 / 2006法规及其理事会于2006年12月18日签署的有关的化学品注册,评估,授权和限制法规(REACH). SolVin将根据需要提供进一步认证文件. ISO 认证: 经评估,在Tavaux生产的DIOFAN偏二氯乙烯共聚物(PVDC)的生产,内部转移及交付,设计和开发管理体系的实施,符合 ISO 9001: 2008, ISO 14001: 2004 和OHSAS18001:007的要求.			

NOTE	
1.	Coating on BOPP; Coating weight: 2.7g/m; Auxiliary package: 20 g/kg wax 3 g/kg silicon
2.	Coating on BOPET film. Diofan® coating weight dry: 2.5 g/ m²; used additive package: 5 g/kg wax + 5 g/kg silica after 2 days storage at 40°C
3.	Coating on BOPP; Coating weight: 2.7g/m; Auxiliary package: 20 g/kg wax 3 g/kg silicon -20 PSI-1s -1 heating clamp
4.	BOPP coating; Weight of paint: 2.7g/m; Additive package: 20 g/kg wax 3 g/kg silicon
5.	BOPP coating; Weight of paint: 2.7g/m; Additive package: 20 g/kg wax 3 g/kg silicon

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