

# Diofan® 193 D

Polyvinylidene Chloride

Solvay Specialty Polymers

## Message:

DIOFAN®A 736 is a PVDC latex, suitable as a tough bottom layer, used under the coating of paper, cardboard or hard PVC film, and then covered with appropriate surface coating.

| General Information                                                                            |                       |                   |
|------------------------------------------------------------------------------------------------|-----------------------|-------------------|
| Features                                                                                       | Moisture proof        |                   |
|                                                                                                | Oxygen barrier        |                   |
| Uses                                                                                           | Barrier Coatings      |                   |
|                                                                                                | Coating application   |                   |
| Agency Ratings                                                                                 | DMF 8738              |                   |
|                                                                                                | EC 1907/2006 (REACH)  |                   |
|                                                                                                | FDA 21 CFR 175.300    |                   |
|                                                                                                | FDA 21 CFR 175.320 2  |                   |
|                                                                                                | FDA 21 CFR 176.170    |                   |
|                                                                                                | FDA 21 CFR 176.180    |                   |
|                                                                                                | FDA 21 CFR 177.1630 2 |                   |
|                                                                                                | Europe No 10/2011     |                   |
| Appearance                                                                                     | milky white           |                   |
| Forms                                                                                          | Liquid                |                   |
| Physical                                                                                       | Nominal Value         | Unit              |
| pH                                                                                             | Acidic                |                   |
| Surface tension-Foaming trend                                                                  | 32                    | mN/m              |
| Film formation-Minimum film forming temperature                                                | 18                    | °C                |
| Solids Content                                                                                 | 55                    | %                 |
| Density                                                                                        |                       |                   |
| Dispersion (wet)                                                                               | 1.290                 | g/cm <sup>3</sup> |
| Coating <sup>1</sup>                                                                           | 1.650                 | g/cm <sup>3</sup> |
| Emulsion type                                                                                  | anion                 |                   |
| Viscosity (20°C)                                                                               | 11                    | mPa·s             |
| Friction coefficient-vs. Aluminum - Dynamic <sup>2</sup>                                       | 0.20                  | mN/m              |
|                                                                                                |                       | Internal method   |
| Maximum heat sealing resistance-with Aluminum - 20 psi - 1s - 1 heated jaw(140°C) <sup>3</sup> | 5.8                   | N/cm              |
| Shelf life-Latex(23°C)                                                                         | 12                    | month             |

| Films                                                             | Nominal Value | Unit                                   | Test Method |
|-------------------------------------------------------------------|---------------|----------------------------------------|-------------|
| Oxygen Transmission Rate (25°C, 85% RH, 1.0 µm)                   | 54            | cm <sup>3</sup> /m <sup>2</sup> /24 hr | ASTM D3985  |
| Water Vapor Transmission Rate <sup>4</sup> (38°C, 90% RH, 1.0 µm) | 16            | g/m <sup>2</sup> /24 hr                | ASTM F1249  |
| Additional Information                                            | Nominal Value | Unit                                   |             |

#### 加工- 干燥

DIOFAN® A 736 具有中等表面张力,可以采用不同的涂布技术,包括逆向凹版辊涂法和气刀法.

高品质涂层需要适当的干燥手段,因为高温有助于更好的阻隔性能.

#### 食品及药品法规

DIOFAN® A 736 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 736药品主控文件编号为11383-DIOFAN® A 736 符合美国FDA第 21 CFR 175.320, 176.170和 176.180章规定.

DIOFAN® A 736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 performance: 40g/m PVDC coated on 250 µmPVC, 23°C, 50% RH for 6 months                          |
| 2.   | Tested on PVC (250 µm)/Diofan® A736 (32 gsm)/Diofan® 193 D (8 gsm) structure stored at 40°C for 2 days. |
| 3.   | Tested on PVC (250 µm)/Diofan® A736 (32 gsm)/Diofan® 193 D (8 gsm) structure stored at 40°C for 2 days. |
| 4.   | Coating performance: 40g/m PVDC coated on 250 µmPVC, 23°C, 50% RH for 6 months                          |

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