



PVDC from SolVin

IXAN[®] SGA-1

Soluble PVDC resin for coating of aluminum, universal use

1. Purposes

IXAN[®] SGA-1 is a self-adhesive coat for use on aluminium foils and plastic films, metallised or not. This universal grade may also be used as an adhesion primer for laminating or coating on plastic films. This resin is soluble in a wide range of solvents at room temperature.

2. Product characteristics ⁽¹⁾

Appearance		white powder
True solvent		common solvents
Bulk density	kg/dm ³	0.5
Volatile content	%	≤1.5
Dynamic viscosity at 20°C 0 hour	mPa.sec	60
Turbidity at 20°C 0 hour 24 hours	μA	75 77
Relative viscosity		1.21

(1) When required: solution in methylethylketone; % of resin = 25; dissolution temperature = 25°C.

3. Coating characteristics ⁽²⁾

Oxygen TR, 25°C – 85%RH	cm ³ .μm/m ² .d.bar	250
Water Vapour TR, 38°C – 90% RH	g.μm/m ² .d	150
Heat seal threshold (0.4 N/cm) ⁽³⁾	°C	115
Heat seal maximum resistance ⁽³⁾	N/cm	0.75
Density of the coating	kg/dm ³	1.65

(2) Coating on PET; coating weight: 2.7 g/m²; additive package: 15g/kg wax + 1% EVA + 5 g/kg silica

(3) 20 PSI – 1 sec – 1 heated jaw

The values given in this data sheet are average values and cannot be considered as specifications.

4. Preparation of the solutions - Drying

IXAN[®] SGA-1 resin is soluble in many common solvents, among which esters and ketones are used most often. These solvents can be used alone or in mixtures.

Solutions of IXAN[®] SGA-1 are clear and pale yellow. The colour intensity depends on the solvent(s) used. The resin is dissolved at a concentration of 200 to 300g/l. Solutions can be prepared at room temperature, but raising the solution temperature to 40-50°C can reduce the dissolution time.

A good quality coating requires adequate drying in order to eliminate as much of the solvents as possible, and to form a film with optimum properties.

The coating machine must be designed to process solvent-based products.

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Reference	Revision index	Written by	Verified by	Approved by	Issued by	Date of application
SGA1_V4	4	V. Verlinden	E. Fassiau	Y. Vanderveken	SOLVIN R 412	18.12.2008



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5. Food legislations

The monomers and additives used for the production of IXAN[®] SGA-1 are listed in the European Directive 2002/72/CEE and its amendments.

All the components are listed in the European Resolution AP 2004(1) (Surface coating intended to come into contact with foodstuffs).

IXAN[®] SGA-1 complies with U.S. FDA chapters 21 CFR 175.105.

SolVin will provide necessary certification upon request by its customers.

6. ISO certification

The implemented management system for the production, internal transfer and delivery, design and development of IXAN 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.

The data and numerical results contained in this document are provided for the sake of general information of our customers and are given in good faith. The numerical data and tables of results show typical, average data based on an appropriate number of individual measurements made on the products. They should not be considered as specifications. Our responsibility does not cover misuse of our products. The information presented here should not be considered as a suggestion to use our products without taking into account existing patents, legal provisions or regulations, whether national or local.

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