

Ixan® SGA-1

polyvinylidene chloride

IXAN® SGA-1 is a self-adhesive coat for use on aluminium, steel 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.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Uses	• Coating Applications
Agency Ratings	• EC 1907/2006 (REACH) • EU No 10/2011
Appearance	• White
Forms	• Powder

Physical

	Typical Value	Unit
1% wt Loss (TGA) - 0.4 N/cm ¹	115	°C
Appearance	White powder	
Density		
Bulk	0.500	g/cm ³
Coating	1.65	g/cm ³
Viscosity (20°C)	60	mPa·s
Volatiles	< 1.5	%

Films

	Typical Value	Unit
Oxygen Transmission Rate 25°C, 85% RH, 1.0 µm	250	cm ³ /m ² /24 hr
Water Vapor Transmission Rate 38°C, 90% RH, 1.0 µm	150	g/m ² /24 hr
Heat Seal Maximum Resistance ¹	0.75	N/cm
Heat Seal Threshold - 04 N/cm ¹	115	°C

Additional Information

	Typical Value	Unit
Solvents - True	Common solvents	
Turbidity - 24 hr (20°C)	77.0	µA

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PREPARATION OF THE SOLUTION – 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.

DELIVERY AND STORAGE

- Ixan® SGA-1 will be delivered and stored in Flexible Intermediate Bulk Containers (FIBC) or bags wrapped on pallets. To avoid degradation, store the product preferably at a constant temperature and below 25°C.

REGULATORY INFORMATION

- The monomers used for the production of Ixan® SGA-1 comply with the requirements of the EU Commission Regulation No. 10/2011 of 14 January 2011.
- Ixan® SGA-1 complies fully with the U.S. Federal Food, Drug and Cosmetic Act and all applicable food additive regulations.
- The monomers used for the production of Ixan® SGA-1 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 further certification documentation upon request

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.

Notes

Typical properties: these are not to be construed as specifications.

¹ 20 PSI – 1s – 1 heated jaw

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