

Diofan® P 530

Polyvinylidene Chloride

Solvay Specialty Polymers

Message:

Diofan® P 530 is a one-component, water-based dispersion of a polyvinylidene chloride (PVDC) copolymer. It is free of solvent traces, alkylphenol ethoxylates or any other toxic substances.

This material was developed to adhere on metal and to remain flexible when exposed to a broad range of end-use temperatures over time. This makes it an ideal binder for one-component, air drying, waterborne formulated paints and coatings where long-lasting protection of the substrate is targeted.

Diofan® P 530 also provides excellent chemical resistance and flame-retardant properties. Typical applications include:

Corrosion-resistant primers and coatings for industrial and heavy duty steel protection

Automotive primers and underbody coatings

Rust converter products

Barrier and sealing coatings

Flame-retardant coatings

Fibers and textile coatings

General Information		
Features	Low VOC	
	Moisture proof	
	Good adhesion	
	Good chemical resistance	
	Non-toxic	
	Flame retardancy	
	Oxygen barrier	
Uses	Protective coating	
	Coating application	
Agency Ratings	EC 1907/2006 (REACH)	
	Europe No 10/2011	
Appearance	milky white	
Forms	Liquid	
Physical	Nominal Value	Unit
pH	1.7	
Surface tension-Foaming tendency	40	mN/m
Film formation-Film forming temperature	9	°C
Solids Content	57	%
Density-Dispersion (wet)	1.280	g/cm ³
Emulsion type	anion	
Shelf life-23°C (23°C)	12	month
Thermal	Nominal Value	Unit
Glass Transition Temperature ¹	13.0	°C

Additional Information	Nominal Value	Unit
<p>DELIVERY AND STORAGE</p> <p>Diofan® P 530 is delivered in bulk or in Intermediate Bulk Containers (IBC). Bulk supplied latex should be stored in reservoirs made of suitable stainless steel, HDPE, rigid PVC or glass fiber-reinforced polyester.</p> <p>Contact of anionic Diofan® dispersion with metals like iron, zinc, aluminum and copper as well as alloys such as brass and bronze must be avoided. Keep the vessels tightly closed to prevent drying through evaporation. Store the product ideally between 5°C and 25°C (41 °F and 77°F) to avoid degradation.</p> <p>FOOD AND DRUG LEGISLATIONS</p> <p>Some agency ratings are listed on page 1. Necessary certification will be provided upon request.</p> <p>ISO CERTIFICATION</p> <p>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.</p>		
NOTE		

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| 1. | Dry Diofan® Glass transition temperature tested by P 530 latex |
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