

Technical Data Sheet - DEGALAN[®] VP 4221 E

Binder for Heat Seal Lacquers

Organic dispersion of copolymers on methacrylic esters and olefinic basis

Typical Properties

Property	Value	Unit	Method
Solvent	butyl acetate / methyl ethyl ketone 70/ 30		
Solid content	44 - 46	%	DIN EN ISO 3251
Dynamic viscosity	1,000 - 4,000	mPas	DIN EN ISO 3219
Glass transition temperature (T _g)	- 52, 32	°C	DIN EN ISO 11357-1
Viscosity number	126	cm ³ /g	DIN EN ISO 1628-1
Molecular weight (M _w)	273,000	g/mol	DIN 55672-1
Density	0.92	g/cm ³	DIN EN ISO 1183-1
Flash point	- 4	°C	DIN EN ISO 1523

Applications

Organic dispersion with the use as a binder for PVC-free heat seal lacquers with direct adhesion for sealing aluminium or PET film versus polypropylene, polystyrene or vinyl.

Instruction for use

Drying	After brief airing, 15 sec. at 180 °C under lab conditions.
Dilutability	DEGALAN [®] VP 4221 E is dilutable with esters and ketones.
Hints for application	Since DEGALAN [®] VP 4221 E adheres very well to aluminium foil, priming with a PVC copolymer-based lacquer is not required. Recommended film thickness of DEGALAN [®] VP 4221 E is 7 g per sqm.

Evonik Resource Efficiency GmbH
 Kirschenallee
 64293 Darmstadt
 Germany
 PHONE +49 6151 18-4716
 FAX +49 6151 18-4955

Evonik Degussa Corporation
 299 Jefferson Road
 Parsippany,
 NJ 07054 USA
 PHONE +001 973 929-8000

Evonik Degussa (China) Co., Ltd.
 55 Chundong Road,
 Xinzhuang Industry Park
 Shanghai 201108, China
 PHONE +86 21 61191-027
 FAX +86 21 61191-534

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General Remarks

Packaging	Open top steel drums: 175 kg net; Recyclable IBC with PE insert: 850 kg net.
Storage	Keeps for one year after delivery date if stored tightly closed in a cool place. Before processing, DEGALAN [®] VP 4221 E must be stirred well, since storage can lead to phase separation.

Typical properties are approximate reference values. If you need product specifications please contact us.

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