

## Technical Data Sheet - DEGALAN<sup>®</sup> VP 4311 E

Binder for heat seal lacquers

Organic dispersion of copolymers on methacrylic ester, olefinic basis and polyesters

### Typical Properties

Property	Value	Unit	Method
Solvent	n-propyl acetate		
Solid content	44 - 46	%	DIN EN ISO 3251
Dynamic viscosity	500 - 3,000	mPas	DIN EN ISO 3219
Glass transition temperature (T <sub>g</sub> )	- 59, 30, 60	°C	DIN EN ISO 11357-1
Viscosity number	64	cm <sup>3</sup> /g	DIN EN ISO 1628-1
Molecular weight (M <sub>w</sub> )	150,000	g/mol	DIN 55672-1
Density	0.94	g/ml	DIN EN ISO 1183-1
Flash point	12	°C	DIN EN ISO 1523

### Applications

Organic dispersion with the use as a binder for heat seal lacquers with direct adhesion for sealing untreated PET or aluminium foil versus polystyrene, PET, PLA or vinyl.

### Instruction for use

Drying	After brief airing, 15 seconds at 180 °C under lab conditions.
Dilutability	DEGALAN <sup>®</sup> VP 4311 E is dilutable with esters and ketones.
Hints for application	DEGALAN <sup>®</sup> VP 4311 E has direct adhesion to aluminium foil or PET film. Priming is not mandatory necessary. Recommended film thickness of DEGALAN <sup>®</sup> VP 4311 E is 5 g per sqm on aluminium and can be reduced by 1 to 2 g per sqm on PET.

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#### General Remarks

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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 <sup>®</sup> VP 4311 E must be stirred well, since storage can lead to phase separation.

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

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