

## Technical Data Sheet - DEGALAN<sup>®</sup> VP 4294 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 / ethyl acetate / n-heptane / tert.-butyl acetate 64 / 26 / 5 / 5		
Solid content	50 - 53	%	DIN EN ISO 3251
Dynamic viscosity	800 - 3,500	mPas	DIN EN ISO 3219
Glass transition temperature (Tg)	- 52, 43	°C	DIN EN ISO 11357-1
Viscosity number	136	cm <sup>3</sup> /g	DIN EN ISO 1628-1
Molecular weight (Mw)	167,000	g/mol	DIN 55672-1
Density	0.95	g/ml	DIN EN ISO 1183-1
Flash point	- 4	°C	DIN EN ISO 1523

### Applications

Organic dispersion with the use as a PVC-free binder for heat seal lacquers with direct adhesion for sealing untreated PET or aluminium foil versus polypropylene, 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 4294 E is dilutable with esters and ketones.
Hints for application	DEGALAN <sup>®</sup> VP 4294 E has direct adhesion to aluminium foil or PET film. Priming is not mandatory necessary. Recommended film thickness of DEGALAN <sup>®</sup> VP 4294 E is 7 g per sqm.

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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 4294 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.

® = registered trademark

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