

Technical Data Sheet - DEGACRYL® HS 4220 E

Binder for heat sealing lacquers

Organic dispersion of copolymers on a 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	500 - 2,500	mPas	DIN EN ISO 3219
Glass transition temperature (Tg)	- 52, 43	°C	DIN EN ISO 11357-1
Viscosity number	117	cm ³ /g	DIN EN ISO 1628-1
Molecular weight (Mw)	215,000	g/mol	DIN 55672-1
Density	0.92	g/cm ³	DIN EN ISO 1183-1
Flash point	- 4	°C	DIN EN ISO 1523

DEGACRYL® HS 4220 E is a newly developed product, subject to minor formulation adjustments.

Applications

Organic dispersion with the use as a binder for heat seal lacquers for sealing aluminium foil or PET film versus polypropylene, polystyrene, PET or vinyl.

Instruction for use

Drying	After brief airing, 15 seconds at 180 °C under lab conditions.
Dilutability	DEGACRYL® HS 4220 E is dilutable with esters and ketones.
Hints for application	In order to ensure the adhesion to aluminium foil, the latter should be primed (1 - 2 g per sqm dry film thickness) with a PVC copolymer, e.g. Vinnol® H 15/45 M from Wacker Chemie or in combination with the ration of 95/5 (solid to solid). Recommended film thickness of DEGACRYL® HS 4220 E is 7 g per sqm.

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General Remarks

Packaging	Open top steel drums: 175 kg net; Recycable 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, DEGACRYL® HS 4220 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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