

Technical Data Sheet - DEGACRYL® HS 4251 E

Binder for heat sealing lacquers

Organic dispersion of copolymers on a methacrylic esters and olefinic basis

Typical Properties

Property	Value	Unit	Method
Solvent	n-propyl acetate / ethyl acetate / iso octane 53 / 38 / 9		
Solid content	44 - 46	%	DIN EN ISO 3251
Dynamic viscosity	1,000 - 4,000	mPas	DIN EN ISO 3219
Glass transition temperature (Tg)	-51, 44	°C	DIN EN ISO 11357-1
Viscosity number	142	cm ³ /g	DIN EN ISO 1628-1
Molecular weight (Mw)	362,000	g/mol	DIN 55672-1
Density	0.93	g/cm ³	DIN EN ISO 1183-1
Flash point	- 12	°C	DIN EN ISO 1523

DEGACRYL® HS 4251 E is a newly developed product, subject to minor formulation adjustments.

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 seconds at 180 °C under lab conditions.
Dilutability	DEGACRYL® HS 4251 E is dilutable with esters and ketones.
Hints for application	Since DEGACRYL® HS 4251 E adheres very well to aluminium foil, priming with a PVC copolymer-based lacquer is not required. Recommended film thickness of DEGACRYL® HS 4251 E is 7 g per sqm.

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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, DEGACRYL® HS 4251 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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