Technical Data Sheet - DEGACRYL® HS 4315 E

Binder for heat seal lacquers

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

Typical Properties

Property	Value	Unit	Method
Solvent	ethyl acetate/cyclohexane (88/12)		
Solid content	44 - 46	%	DIN EN ISO 3251
Dynamic viscosity	500 - 3,000	mPas	DIN EN ISO 3219
Glass transition temperature (Tg)	- 64, 26	°C	DIN EN ISO 11357-1
Viscosity number	64	cm³/g	DIN EN ISO 1628-1
Molecular weight (Mw)	100,000	g/mol	DIN 55672-1
Density	0.94	g/ml	DIN EN ISO 1183-1
Flash point	-4	°C	DIN EN ISO 1523

DEGACRYL® HS 4315 E is a newly developed product, subject to minor formulation adjustments.

Applications

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

Instruction for use

Drying	After brief airing, 15 seconds at 180 °C under lab conditions.
Dilutability	DEGACRYL® HS 4315 E is dilutable with esters and ketones.
Hints for application	DEGACRYL® HS 4315 E has direct adhesion to aluminum foil or PET film. Primering is not mandatory necessary. Recommended film thickness of DEGACRYL® HS 4315 E is 5 g per sqm on aluminum and can be reduced by 1 to 2 g per sqm on PET.

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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 4315 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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