

Technical Data Sheet - DEGACRYL® HS 4792 L

Binder for Heat Seal Lacquers

Organic solution of an acrylic polymer based on ethyl methacrylate

Typical Properties

Property	Value	Unit	Method
Solvent	methyl ethyl ketone		
Solid content	53 - 57	%	DIN EN ISO 3251
Dynamic viscosity (23 °C)	1,500 - 4,000	mPas	DIN ES ISO 3219
Glass transition temperature (Tg)	48	°C	DIN EN ISO 11357-1
Viscosity number	40	cm ³ /g	DIN EN ISO 1628-1
Molecular weight (Mw)	80,000	g/mol	DIN 55672-1
Density	0.97	g/cm ³	DIN EN ISO 1183-1
Flash point	- 4	°C	DIN EN ISO 1523

Applications

Binder for heat-seal lacquers, especially easy-opening systems for sealing aluminium foil to PVC and polystyrene for food packaging.

Instruction for use

Drying	After brief airing, 15 seconds at 180 °C under lab conditions.
Dilutability	DEGACRYL® HS 4792 L can be diluted with esters, ketones and aromatic compounds. It can be blended with alcohols.
Compatibility	DEGACRYL® HS 4792 L is compatible with nitrocellulose, cellulose acetobutyrate, various vinyl resins and most plasticizers. It is incompatible with most alkyd, urea and melamine resins.
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 80/20 (solid to solid). Recommended film thickness of DEGACRYL® HS 4792 L 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 on a cool place.

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

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