

## Technical Data Sheet - DEGALAN<sup>®</sup> 4793 L

Binder for Heat Seal Lacquers and Printing Inks

Organic solution of an acrylic polymer based on ethyl methacrylate

### Typical Properties

Property	Value (ca.)	Unit	Method
Solvent	ethyl acetate		
Solid content	55	%	DIN EN ISO 3251
Dynamic viscosity	2,000 - 5,000	mPas	DIN EN ISO 3219
Glass transition temperature (T <sub>g</sub> )	48	°C	DIN EN ISO 11357-1
Viscosity number	40	cm <sup>3</sup> /g	DIN EN ISO 1628-1
Molecular weight (M <sub>w</sub> )	80,000	g/mol	DIN 55672-1
Density	1.03	g/cm <sup>3</sup>	DIN EN ISO 12185
Flash point	- 4	°C	DIN EN ISO 13736

### Applications

Binder for heat seal lacquers, especially easy-opening systems for sealing aluminium foil versus PVC and polystyrene for food packaging, as well as for manufacturing printing inks for plastic films and coatings for plastics.

### Instruction for use

Drying	Dries physically by evaporation of solvent.
Dilutability	DEGALAN <sup>®</sup> 4793 L is dilutable with esters, ketones and aromatic compounds. It can be blended with alcohols.
Compatibility	DEGALAN <sup>®</sup> 4793 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 µm dry film thickness) with a PVC copolymer, e.g. Vinnol <sup>®</sup> H 15/45 M from Wacker Chemie or in combination with the ration of 80/20 (solid to solid). Recommended film thickness of DEGALAN <sup>®</sup> 4793 L is 7 µm.

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### General Remarks

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Packaging	Steel drums with PE lining: 175 kg net.
Storage	Keeps for 1 year from date of delivery if stored tightly closed in a cool place.

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

® = registered trademark

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