

Technical Data Sheet - DEGALAN® 4174 E

Binder for heat seal lacquers

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

Typical Properties

Property	Value	Unit	Method
Solvent	n-propyl acetate / ethyl acetate / isooctane 49 / 42.5 / 8.5		
Solid content	46 - 48	%	DIN EN ISO 3251
Dynamic viscosity	1,000 - 3,500	mPas	DIN EN ISO 3219
Glass transition temperature (Tg)	- 48, 33	°C	DIN EN ISO 11357-1
Viscosity number	171	cm ³ /g	DIN EN ISO 1628-1
Molecular weight (Mw)	250,000	g/mol	DIN 55672-1
Density	0.92	g/ml	DIN EN ISO 1183-1
Flash point	- 4	°C	DIN EN ISO 1523

Applications

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

Instruction for use

Drying	After brief airing, 15 seconds at 180 °C lab conditions.
Dilutability	DEGALAN® 4174 E is dilutable with esters and ketones.
Hints for application	DEGALAN® 4174 E has direct adhesion to aluminium foil or PET film. Priming is not mandatory necessary. Recommended film thickness of DEGALAN® 4174 E is 7 g per sqm.

Evonik Resource Efficiency GmbH
 Kirschenallee
 64293 Darmstadt
 Germany
 PHONE +49 6151 18-4716
 FAX +49 6151 18-4955

Evonik Degussa Corporation
 299 Jefferson Road
 Parsippany,
 NJ 07054 USA
 PHONE +001 973 929-8000

Evonik Degussa (China) Co., Ltd.
 55 Chundong Road,
 Xinzhuang Industry Park
 Shanghai 201108, China
 PHONE +86 21 61191-027
 FAX +86 21 61191-534

Technical Data Sheet
 17.08.2017
 DEGALAN 4174 E e
 Page 1/2

Technical Data Sheet - DEGALAN® 4174 E

Binder for heat seal lacquers

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

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, DEGALAN® 4174 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.

® = registered trademark

DEGALAN is a registered trademark of Evonik Röhm GmbH, Darmstadt, Germany.

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.