

## Technical Data Sheet - DEGALAN<sup>®</sup> PM 555

### Binder for Heat Seal Lacquers

Organic dispersion of copolymers on methacrylic esters and olefins basis

### Typical Properties

Property	Value (ca.)	Unit	Method
Solvent	butyl acetate / methyl ethyl ketone 70 / 30		
Solid content	45	%	DIN EN ISO 3251
Dynamic viscosity	500 - 1,500	mPas	DIN EN ISO 3219
Glass transition temperature (Tg)	- 43	°C	DIN EN ISO 11357-1
Viscosity number	125	cm <sup>3</sup> /g	DIN EN ISO 1628-1
Molecular weight (Mw)	300,000	g/mol	DIN 55672-1
Density	0.90	g/cm <sup>3</sup>	DIN EN ISO 12185
Flash point	- 4	°C	DIN EN ISO 13736

### Applications

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

### Instruction for use

Drying	Dries physically on solvent evaporation. After brief airing, 15 sec. at 180 °C.
Dilutability	DEGALAN <sup>®</sup> PM 555 is dilutable with esters and ketones.
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 95/5 (solid to solid). Recommended film thickness of DEGALAN <sup>®</sup> PM 555 is 7 µm.

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,  
Xinzhuan Industry Park  
Shanghai 201108, China  
PHONE +86 21 61191-027  
FAX +86 21 61191-534

Technical Data Sheet  
13.01.2014  
DEGALAN PM 555 e  
Page 1/2

## Technical Data Sheet - DEGALAN<sup>®</sup> PM 555

Binder for Heat Seal Lacquers

Organic dispersion of copolymers on a methacrylic esters and olefins basis

### General Remarks

---

Packaging	Open top steel drums: 175 kg net; Recyclable IBC with PE insert: 850 kg net.
Storage	Keeps for one year from date of delivery if stored tightly closed in a cool place. Before processing, DEGALAN <sup>®</sup> PM 555 must be well stirred, 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.