

Technical Data Sheet - DEGALAN® P 24

Binder for heat-sealing and ceramic transfer lacquers

Bead polymer based on methyl methacrylate and n-butyl methacrylate derived by suspension polymerization process

Typical Properties

Property	Value	Unit	Method
Glass transition temperature (Tg)	43	°C	Glass transition temperature
Viscosity number	50 - 60	cm ³ /g	DIN EN ISO 1628-1
Molecular weight (Mw)	150,000	g/mol	DIN 55672-1
Dynamic viscosity	450	mPas	DIN EN ISO 3219 (40 % in MEK, C35/1°, 100s ⁻¹)
Density	1.08	g/cm ³	DIN EN ISO 12185
Purity	> 99.5	%	GC-MS
Bulk density	650	g/L	DIN EN ISO 60

Applications

Binder for the manufacture of printing inks, primers, stop-off and transfer lacquers for glass and ceramics and in particular heat seal lacquers for sealing aluminium foils versus PVC and polystyrene in pharmaceutical blister and food packaging in compliance with food regulations.

Instruction for use

Film drying	Dries physically on solvent evaporation.
Solubility	DEGALAN® P 24 is soluble in esters, ketones, aromatics, glycol ethers, glycol ether acetates, chlorinated hydrocarbons; blendable with petroleum hydrocarbons and alcohols.
Compatibility	DEGALAN® P 24 is compatible with nitrocellulose, chlorinated rubber, various vinyl polymers, cellulose acetobutyrate, maleinate resins, phthalate plasticizers; incompatible with alkyd, melamine and urea resins. On request, we will be pleased to provide you with typical formulations for your guidance.
Hits 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® H 15/45 M from Wacker Chemie or in combination with the ration of 80/20 (solid to solid). Recommended film thickness of DEGALAN® P 24 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
 08.08.2017
 DEGALAN P 24 e
 Page 1/2

Technical Data Sheet - DEGALAN® P 24

Binder for ceramic transfer lacquers and heat seal lacquers

Bead polymer based on methyl methacrylate and n-butyl methacrylate derived by suspension polymerization process

General remarks

Packaging	Paper bags: 25 kg net.
Storage	Keeps for 5 years from date of delivery if stored in a cool, dry place.

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.