

DYNAPOL® LS 436-12

43.13.585e / 03.17

General description

Saturated, medium molecular weight, linear, hydroxylated elastified polyester resin.

Stoving enamels based on LS 436 and amino resins resp. blocked polyisocyanate resins are extremely flexible. Highly suitable as elastifying component with good compatibility to other polyester resins.

Specification

Property	Value	Unit	Test method
Hydroxyl number (solvent free)	15 - 20	mg KOH/g	DIN EN ISO 4629-2
Acid number (solvent free)	≤ 3	mg KOH/g	DIN EN ISO 2114
Non volatile content	60 ± 1	% by weight	DIN EN ISO 3251
Viscosity (23 °C)	3.5 - 6.0	Pa s	DIN EN ISO 3219
Colour (Gardner)	≤ 3		DIN EN ISO 4630

Typical data

Molecular mass	7000	g/mol	calculated
Glass transition temperature (solid)	- 5	°C	DSC
Density (20 °C) (solution)	1.10	g/cm ³	DIN 51 757
Flashpoint	67	°C	DIN EN ISO 13736

Uses

Elastifying component for stoving enamels based on polyesters; also suitable for tinting pastes.

Supply Form

60 % in Solvent Naphtha 150 ND / DBE (50 / 50).

Storage Stability

Protected from heat, sunlight, moisture and foreign materials, the shelf life of DYNAPOL® LS 436-12 is twelve (12) months from the date of delivery when stored in unopened original packaging at temperatures below 25°C (77°F).

Safety and Handling

Please refer to our Safety Data Sheet.

Evonik Operations GmbH

Paul-Baumann-Str. 1
45764 Marl
Germany
PHONE +49 2365 49-02
FAX +49 2365 49-5030

www.dynapol.com
www.evonik.com/coatings
E-MAIL dynapol@evonik.com

Evonik Corporation

Resource Efficiency
299 Jefferson Road
Parsippany, NJ 07054-0677, USA
PHONE +1 973 929-8000
FAX +1 973 929-8460

www.dynapol.com
www.evonik.com/coatings
E-MAIL dynapol@evonik.com

Evonik Specialty Chemicals (Shanghai) Co., Ltd.

55 Chundong Road
Xinzhuang Industry Park
Shanghai 201108, P.R. China
PHONE +86 21 6119-1028
FAX +86 21 6119-1254

www.dynapol.com
www.evonik.com/coatings
E-MAIL dynapol@evonik.com

Replaces leaflet 43.13.585e / 01.17 and all former issues
Marl, March 15, 2017

DYNAPOL® is a registered trademark of Evonik Industries AG or one of its subsidiaries

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.