

DYNAPOL® LS 415-10/B

07.19

General description

Saturated, very high molecular, elastified copolyester.

Stoving enamels based on LS 415 and amino resins resp. blocked polyisocyanate resins show excellent flexibility and can be formulated for high chemical resistance.

Particularly suitable as elastifying component for polyester stoving enamels.

Specification

Property	Value	Unit	Test method
Acid number (solvent free)	≤ 3	mg KOH/g	DIN EN ISO 2114
Non volatile content	40 ± 1	% by weight	DIN EN ISO 3251
Viscosity (23 °C)	4 - 8	Pa s	DIN EN ISO 3219
Colour (Gardner)	≤ 3		DIN EN ISO 4630

Typical data

Hydroxyl number (solvent free)	5	mg KOH/g	DIN EN ISO 4629-2
Molecular mass	25000	g/mol	calculated
Glass transition temperature (solid)	12	°C	DSC ¹⁾
Density (20 °C) (solution)	1.06	g/cm ³	DIN 51 757
Flashpoint	58,5	°C	DIN EN ISO 2719

¹⁾ Differential scanning calorimetry

Uses

Coil Coating top coats with very high flexibility and ageing resistance; elastifier for polyester stoving enamels; hot laminating adhesives.

Supply Form

40 % in Solvent Naphtha 150 ND / DBE / Solvent-Naphtha 200 ND (25 / 30 / 5).

Storage Stability

Protected from heat, sunlight, moisture and foreign materials the shelf life of LS 415-10/B is twelve (12) months from the date of delivery when stored in unopened original packaging at temperatures below 25°C (77°F). Note: LS 415-10/B can become hazy on storage.

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

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