

DYNAPOL® L 490

45.13.211e / 03.17

General description

Saturated, high molecular, slightly branched copolyester with high flexibility and very good adhesion to metals.

Stoving enamels based on L 490 and amino resins resp. blocked polyisocyanate resins are very flexible and show good adhesion to metals.

Specification

Property	Value	Unit	Test method
Viscosity number * (25 °C)	55 - 65	cm ³ /g	DIN 53 728
Hydroxyl number	≤ 9	mg KOH/g	DIN EN ISO 4629-2
Acid number	≤ 3	mg KOH/g	DIN EN ISO 2114

Typical data

Molecular mass	15000	g/mol	calculated
Glass transition temperature	40	°C	DSC
Softening temperature	130	°C	ISO 4625
Density (20 °C)	1.20	g/cm ³	ISO 1183

* measured on a solution of 0.5 g polyester and 100 cm³ of a blend of phenol / o-dichlorobenzene (50/50 w/w)

Uses

Can coatings, deep drawable clear- and white sterilizable stamping enamels for the coil- or sheet coating process; especially recommended for interior protection lacquers for food contact.

Supply Form

Solid resin, granules.

Storage Stability

Protected from heat, sunlight, moisture and foreign materials, the shelf life of L 490 is twelve (12) months from the date of delivery when stored in unopened original packaging at temperatures below 25°C (77°F). Note: L 490 solutions can become hazy on storage. Due to the low glass transition temperature the granules can show blocking at elevated temperature and pressure

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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