

DYNAPOL® L 411

43.13.577e / 03.17

General description

Saturated, high molecular, linear copolyester with very good adhesion to metals.

Stoving enamels based on L 411 and amino resins or blocked polyisocyanate resins are very flexible and show very good adhesion to metals.

Specification

Property	Value	Unit	Test method
Viscosity number ¹⁾	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	16000	g/mol	calculated
Glass transition temperature	47	°C	DSC ²⁾
Softening temperature	130	°C	ISO 4625
Density (20 °C)	1.23	g/cm ³	ISO 1183

¹⁾ measured on a solution of 0.5 g polyester and 100 cm³ of a blend of phenol / o-dichlorobenzene (50/50 w/w)

²⁾ Differential scanning calorimetry

Uses

Coil Coating-primers and one coat-systems, laminate adhesives, deep drawable, sterilizable stamping enamels for can coating, metal decorating and interior protection; gravure- and flexographic inks; heat sealing lacquers.

Supply Form

Solid resin, granules.

Storage Stability

Protected from heat, sunlight, moisture and foreign materials, the shelf life of L 411 is twelve (12) months from the date of delivery when stored in unopened original packing Units 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

Marl, March 10, 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.