

## DYNAPOL<sup>®</sup> LS 436-12LN

09.20

### Basic Description

A saturated, medium molecular weight, linear, hydroxyl containing elastic polyester resin.

The baking paint based on LS 436 cured with amino resin or blocked isocyanate is very soft. It has good compatibility with other polyester coatings and is very suitable as a toughening resin.

### Indicator Range

Performance	Value	Unit	Testing method
Hydroxyl value (solid meter)	15-20	mg KOH/g	DIN EN ISO 4629-2
Acid value (solid meter)	≤3	mg KOH/g	DIN EN ISO 2114
Non volatile matter	60±1	%Weightometer	DIN EN ISO 3251
Viscosity value (23°C)	3.5-6.0	Pa s	DIN EN ISO 3219
Colour (Gardner)	≤3		DIN EN ISO 4630

### Typical Value

Molecular weight	7000	g/mol	Calculated value
Glass transition temperature (solid)	-5	°C	DSC
Density (20) (solution)	1.10	g/cm <sup>3</sup>	DIN 51 757
Flash point	72	°C	ASTM D93-19

### Purpose

Toughening resin for polyester baking paint; Widely used/suitable for color paste production.

### Supply form

60% soluble in 150 # solvent naphtha/DBE (50/50)

LS436-12LN uses a solvent with low naphthalene content 500ppm

### Storage stability

To avoid contamination by heat, direct sunlight, moisture, and other substances, the unopened original packaging of LS436-12LN has a shelf life of 12 months from the date of shipment when stored at a temperature below 25 (77).

## Safety and Handling

Please refer to the product safety data sheet

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Marl, September 23, 2020

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