

DYNAPOL® L 850

45.13.214e / 08.09

General description

Saturated, high molecular, linear, elastified copolyester. Soluble in aromatic hydrocarbons, good compatibility with other paint raw materials.

Stoving enamels based on L 850 and amino resins resp. blocked polyisocyanate resins are flexible and show high adhesion to metals. Also suitable as elastifying component for stoving enamels based on other polyester resins.

Specification

| Property | Value | Unit | Test method |
|----------------------------|---------|--------------------|-----------------|
| Viscosity number * (25 °C) | 57 - 65 | cm ³ /g | DIN 53 728 |
| Acid number | ≤ 3 | mg KOH/g | DIN EN ISO 2114 |

Typical data

| | | | |
|------------------------------|-------|-------------------|------------|
| Hydroxyl number | 4 | mg KOH/g | DIN 53240 |
| Molecular mass | 15000 | g/mol | calculated |
| Glass transition temperature | 40 | °C | DSC |
| Softening temperature | 125 | °C | ISO 4625 |
| Density (20 °C) | 1.21 | 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

Highly flexible, sterilizable stamping enamels for can coating; tube and aerosol can coatings.

Supply Form

Solid resin, granules.

Storage Stability

Excluding sunlight and humidity L 850 is stable at storage temperatures below 25 °C for at least 12 months.

L 850 becomes hazy in solution (very small amounts of cyclic oligomers). Due to the low glass transition temperature the granules can show blocking at elevated temperature and pressure.

Packaging

Granules in paper bags each 25 kg.

Safety and Handling

Please refer to our Safety Data Sheet.

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Replaces leaflet 45.13.214e / 07.02 and all former issues
Marl, August 26, 2009

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