

Product code: 419977

DOMOPOL 5110 50% ND

Saturated Polyester Resin

Specification:

Property	Range	Method / According to standard
Non-volatile matter	49 - 51%	MH1155 / ISO 3251
Acid value on solid resin	8 - 10 mg KOH/g	MH1051 / ISO 2114
Hydroxyl value on solid resin	16 - 24 mg KOH/g	MH1052 / ISO 4629
Viscosity, 23 °C	4700 - 6000 mPa·s	MH1007 / ISO 3219
Colour	max. 5 Gardner	MH1124 / ISO 4630

Typical properties:

Property	Value
Solvent ratio	Aromatic solvent 150 ND / Aromatic solvent 200 ND / MP = 32 / 10 / 8
Density	1.1 kg/L
Molecular weight	6000
Flash point	41 °C
Hydroxyl content on solid	0.6%
Tg	50 °C

Solubility:

- » Soluble in Isophoron, Methoxy propyl acetate.
- » Limited solubility in Aromatic solvent 100, Aromatic solvent 150 (ND) and Aromatic solvent 200 (ND), Diacetone alcohol, n-Butanol.

Compatibility:

Compatible with amino resins and blocked polyisocyanate resins.

Applications:

- » Domopol 5110 50% ND is intended for can coatings: aerosol cans, collapsible tubes with sterilization resistance.
- » Optimum film properties can be achieved with the polyester resin/benzoguanamine resin in a ratio 90/10 to 70/30.
- » The excellent adhesion to aluminium makes this resin very suitable for aluminium aerosol cans.

Storage:

The resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures below 35 °C, for up to 12 months. Exposure to direct sunlight should be avoided.

Disclaimer

This data is based on experience, for its completeness, we assume no liability. As we take no influence on the processing, it lies within the obligation of the customer to test, whether it is suitable for the intended purpose, before using the product. Any change in the processing procedure, the environmental conditions or the failure to comply with instructions may unfavorably influence the result. This Technical Datasheet is available on our website at www.helios.si. Should there be any discrepancies between this document and the version that appears on the website, then the version on the Website will take precedence.

TECHNICAL DATASHEET

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