

polimal[®]
nienasycona żywica poliestrowa**Gelcoat NPG
White 9031 Psp****Application.**

The surface gelcoat is designed for producing white coating on the surface of the goods made out of unsaturated polyester resin. For spray-up application.

Gelcoat characteristics.

- resistance to sunlight and UV,
- resistance to atmospheric conditions,
- resistance to ageing processes,
- good processing conditions,
- it makes white coating which does not yellow after long time of usage.

**Example parameters of Gelcoat NPG White
9031 Psp**

Parameter tested/standard	Unit	Value
Viscosity (25°C) acc. to DIN 53015	mPa s	18 000 – 40 000
Gel time (25°C) acc. to ISO 2535	min	8 – 16
Flexural strength acc. to ISO 2535	MPa	90
Flexural modulus acc. to PN-EN ISO 178: 2006	MPa	5 000
Tensile strength acc. to PN-EN ISO 527-1: 1998 PN-EN ISO 527-2: 1998	Mpa	47
Tensile modulus acc. to PN-EN ISO 527-1: 1998 PN-EN ISO 527-2: 1998	MPa	5 000
Heat deflection temperature, HDT acc. to ISO 75 PN-EN ISO 75-1: 2006 PN-EN ISO 75-2: 2006	°C	90
Barcol hardness, above acc. to ASTM D 2583	°B	46
Water absorptivity after 10 days	%	0,4
Warranty period	months	3

*gel time with 2% MEKP medium-active Luperox K-1.

Storage conditions

The gelcoat should be stored in closed container, in dry well-ventilated and shaded storage rooms adapted for storing inflammable materials at temperature up to 25°C.

Processing conditions.

The gelcoat of temperature above 15°C is required to be used for processing. Mix the gelcoat before using. Good curing requires the ambient temperature above 18°C and low air humidity.

Curing system:

The favourable curing conditions are obtained while using per 1kg of gelcoat: 10-20 ml of MEKP hardener e.g. Luperox K-1. By reducing the amount of hardener [the best within 10-20 ml/kg of the resin], the temperature peak can be lowered. The selection of hardener quantity depends on the processing conditions and the proper requirements of the processing plant.

Version:

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Zakładów Chemicznych „Organika - Sarzyna” S.A.

Luperox[®] is the trade name reserved for ARKEMA products.

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Note:

The information does not substitute Material Safety Data Sheet of Chemical Preparation and Industrial Standard or Technical Specification which are superior documents and are available at customer's request.