

TECHNICAL INFORMATION

POLIMAL®

GE 115 P/P sp

Application

Polimal® GE 115 P/P sp is recommended for the production of goods with high resistant properties. It is base for gelcoats.

Two versions are available:

Polimal® GE 115 P – for hand lay-up

Polimal® GE 115 P sp – for spray lay-up

Resin characteristics

Polimal® GE 115 P/P sp is accelerated, unsaturated polyester resin modified by isophthalic acid and neopentyl glycol. It is characterized by high resistance to weather conditions, water, UV light etc.

Typical parameters

Parameter		Unit	Value
Viscosity at 25°C, Brookfield, sp.27/rpm.1	P	mPa · s	35 000 ÷ 90 000
	P sp		26 000 ÷ 66 000
Gel time at 25°C 2% Luperox® K-1 S		min	8 ÷ 16
Flexural strength acc. to ISO 178		MPa	95
Flexural modulus acc. to ISO 527		MPa	4040
Tensile modulus acc. to ISO 527		MPa	4010
Compressive strength acc. to ISO 604		MPa	125
Heat deflection temperature (HDT) acc. to ISO 75		°C	89
Barcol hardness acc. to ASTM /D 2583-07		°B	51
Guarantee period		month	3

Curing schedule: curing for 24 hours at room temperature and post curing for 2 hours at 80°C.

Storage conditions

Polimal® GE 115 P/P sp should be stored in close package in a dry, shady and cool places, adapted for storing flammable materials, at temperatures not exceeding 25°C.

Processing conditions

The resin should be mixed before use.

Required temperature before processing is min. 16°C. Ambient temperature above 18°C and low air humidity provide good curing conditions. The best curing conditions are obtained using medium reactive MEKP as hardener. It is possible to adjust gel time by varying of amount of hardener, the best within the range of 1 – 2 %. After long storage time it is recommended to control of curing time – if it is the need – should be added 0,4 ÷ 1 ml Cobalt10% / 1kg of the resin.

Polimal® is the trade name reserved for unsaturated polyester resins produced by **CIECH - Sarzyna S.A.**

Luperox® is the trade name registered for products of **ARKEMA** company.

Data and suggestions included in this document are on the basis of our own tests and are considered by us as reliable. However, we cannot take any responsibility for actions and losses directly or indirectly resulted from using our products. User should check the product quality, safety and properties before its using.

Note:

The information does not substitute Material Safety Data Sheet or Technical Specification, which are superior documents and are available on the customer's request.

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