

Technical information

Polimal® 1059-11 P-6

DATE: 02.03.2023

Polimal®1059-11 P-6 is an accelerated, non-thixotropic DCPD modified unsaturated polyester resin.

It has a Lloyd Register approval certificate.

APPLICATION

Polimal® 1059-11 P-6 is designed for production of polyester glass laminates by infusion method.

PACKAGING

220 kg, 1100 kg

SHELF LIFE

3 months from the production date.

STORAGE

The resin should be stored in closed original containers, in dry, well ventilated and shaded warehouse compartments adapted for storage of combustible materials at a temperature below 25°C.

CURING SYSTEM

Good curing conditions are received while using : 1-2% of hardener MEKP e.g. Luperox K-1S. The gel time control is reached by changing the amount of the hardener (within the range as above). Finally, curing could be optimized by post-curing at elevated temperatures.

SPECIFICATION

Parameter	Unit	Value
Viscosity (25°C) acc. to ISO 3219	mPa s	130±150
Gel time (25°C) acc.to DIN 16945	min	43-48
		Summer version 70-80
Flexural strength acc. to ISO 178	MPa	110
Tensile strength acc. to ISO 527	MPa	65
Tensile modulus acc.to ISO 527	MPa	3600
Elongation at break acc to ISO 527	%	2,2
Heat resistance, HDT acc. to ISO 75	°C	85
Barcol Hardness acc. to ASTM D 2583	°B	45
Volume shrinkage acc. to ISO 3521	%	6

Curing system: 2% MEKP medium active eg. Luperox K-1S

Mechanical parameters refer to unreinforced resin cured for 24 hours at room temperature and post-cured for 2 hours at 80 °C.

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POLIMAL® is a trade name reserved for unsaturated polyester resins produced by **Sarzyna Chemical Sp. z o.o.**

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ATTENTION: This information does not replace the Safety Data Sheet or the Technical Sheet which are master documents available upon request.

