

TECHNICAL DATA SHEET

TRICURE RESIN 11B611A GP WHITE

PRODUCT IDENTIFIER

Product Name:	TriCure Resin 11B611A GP White 1165848 Rev.1
Revision Date:	03-OCT-2025

TriCure Resin 11B611A GP White is an orthophtalic accelerated thixotropic unsaturated polyester resin with colour curing indicator. The resin contains dispersed white pigment which is titanium dioxide.

Application

Designed for production of polyester glass laminates by hand lay-up and spray-up.
Recommended for to 5 mm thick laminates.

Properties

- medium flexibility
- reduced styrene emission
- good processing parameters
- low thermal peak

Shelf Life

3 months from date of manufacture

Processing Conditions

The resin should be mixed before use. Good curing requires ambient temperature above 18 °C and low air humidity. The best curing conditions are obtained using 1% MEKP as hardener. It is possible to adjust gel time by varying of amount of hardener, the best within in the range of 1 – 2 %. The final curing could be optimized by post-curing at elevated temperatures.

The LSE agent decreases interlayer adhesion, therefore one should avoid leaving too much resin on the laminate surface if it shall be laminated again. If the break in laminating is longer than 24 hours or there is too much resin, it is necessary to polish (or sand blast) the laminate surface before adding the next layer.

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Storage

TriCure Resin 11B611A GP White should be stored in closed packaging in a dry, cool place, protected from sunlight and suitable for storage of flammable materials at temperatures not exceeding 25 °C.

PARAMETERS

PARAMETERS	TEST METHOD	UNIT	TYPICAL VALUES
Viscosity at 23 °C Physica S 2/20 s ⁻¹	acc. to ISO 3219	mPa s	300 ÷ 400
Gel time at 25 °C	acc. to DIN 16945	Min	19 ÷ 26
Tensile strength	acc. to ISO 527	MPa	70
Flexural strength	acc. to ISO 178	MPa	110
Tensile modulus	acc. to ISO 527	MPa	4 300
Elongation at break	acc. to ISO 527	%	2
Heat deflection temperature (HDT)	acc. to ISO 75	°C	63

Reactivity with 1% of Luperox® K-1S Mechanical parameters refer to unreinforced resin cured for 24 hours at room temperature and postcuring for 2 hours at 80 °C.

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