

# TECHNICAL DATA SHEET

## TRICURE 11B711A

### PRODUCT IDENTIFIER

<b>Product Name:</b>	<b>TriCure 11B711A</b> <b>1048017 Rev.2</b>
<b>Revision Date:</b>	<b>30-SEP-2025</b>

TriCure 11B711A is a constructional, white, terephthalic, accelerated, unsaturated polyester resin with colorful curing indicator system

### Application

TriCure 11B711A is designed for the production of polyester glass laminates by hand lay-up or spray-up.

### Properties

- good processing parameters
- low styrene emission
- good wetting of glass fiber

### Shelf Life

3 months from the date of manufacture

### Storage

TriCure 11B711A 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.

### 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 the amount of hardener, within in the range of 1-2 %. Finally, curing could be optimized by post-curing at elevated temperatures.

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## SPECIFICATION

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
Viscosity at 25°C	acc. to ISO 3219	mPa s	180 ÷ 230
Gel time at 25°C	acc. to DIN 16945	min	20 ÷ 30
Tensile strength	acc. to ISO 527	MPa	60
Flexural strength	acc. to ISO 178	MPa	100
Tensile modulus	acc. to ISO 527	MPa	3 000
Elongation at break	acc. to ISO 527	%	2,0
Heat deflection temperature (HDT)	acc. to ISO 75	°C	65
Barcol hardness	ASTM D 2583-95	B	40

Gel time with 1 % Luperox® K-1S (MEKP) 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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