

TECHNICAL DATA SHEET

TRICURE 11B721O

PRODUCT IDENTIFIER

Product Name:	TriCure 11B721O 1163309 Rev.2
Revision Date:	23-JUN-2026

This is constructional, accelerated, LSE, terephthalic, unsaturated polyester resin with colorful curing indicator system.

TriCure 11B721O is manufactured using recycled PET. Every single 220 kg drum of this resin contains an amount of material equivalent to approximately 1,800–2,900 PET plastic bottles, which have been recycled and reused as a raw material.

Application

TriCure 11B721O is designed for production of polyester glass laminates by hand lay-up or spray-up.

Shelf Life

3 months from the date of manufacture.

Storage

TriCure 11B721O 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. Minimum temperature of the resin required for processing is 15 °C. 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 %.

TriCure 11B721O intensifies decreasing the interlayer adhesion, therefore it is necessary to laminate so as not to leave too much resin on the laminate surface that is to be laminated again. If the

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stoppage in laminating is longer than 24 hours or the resin amount on the laminate is too big, it is necessary to polish (or sand blast) the laminate surface before laying down the next layer. Finally, curing could be optimized by post-curing at elevated temperatures.

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 ISO 2535	min	20 ÷ 30
Flexural strength	acc. to ISO 178	MPa	100
Tensile strength	acc. to ISO 527	MPa	60
Tensile modulus	acc. to ISO 527	MPa	3,000
Elongation at break	acc. to ISO 527	%	2
Heat deflection temperature (HDT)	acc. to ISO 75	°C	65
Barcol hardness	acc. to ASTM D 2583-07	°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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Tricel Composites (GB) Limited

Unit A, Foxway,
Off Atkinson Street,
Leeds, West Yorkshire,
LS10 1PS.

Tel: +44 (0)113 270 3133

Email: sales@tricelcomposites.co.uk

Tricel Composites (NI) Limited

Unit 4, Milltown Ind. Estate, Greenan Road.
Warrenpoint, Newry
Co. Down,
BT34 3FN.

Tel: +44 (0)284 175 3738

Email: sales@tricelcomposites.co.uk