

TECHNICAL DATA SHEET

RESIN TRICURE 11C421N

PRODUCT IDENTIFIER

Product Name:	Resin TriCure 11C421N 1060812 Rev.1
Revision Date:	24-SEP-2025

MAIN CHARACTERISTICS

Product Type

Unsaturated polyester resin in styrene,
Orthophthalic

Appearance

Bluish

Main Resin Characteristics

With catalyst indicator

Low reactivity

Low styrene emission

Preaccelerated

Thixotropic

Main Applications

General purpose

Shelf Life & Storage

Store in the shade, out of direct sunlight. Keep storage temperature below 25°C. Unseal container just before use. Shelflife will be reduced reaching higher temperature.

Moulding Informations

Hand lay up and Spray up

Precaution for Handling

As the resin includes a film-forming agent, we recommend that the laminate should first rubbed down before bonding or relaminating. Read carefully the Safety Data Sheet
Stir the resin before use, without introducing air

FEATURES OF LIQUID RESIN⁽¹⁾

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
Specific weight at 20°C		g/cm ³	1, 10
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CU T23V	mPa.s	350-550
Solid content	MT-CU 001C	%	57-61
Reactivity	at 23°C +1,5% MEKP50		
Gel time ⁽²⁾	MT-CU 151R	minutes	10-12
23°C - Peak	MT-CU 151R	minutes	22-28
Exothermic peak	MT-CU 151R	°C	105-125

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Storage stability at 23°C in the dark	MT-CU 002S	months	4
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1) Thoroughly test in your applications before full-scale use. Geltimes may vary due to the reactive nature of these materials and due to different brands of curing additives. Always test on small scale before formulating large quantities.

2) If present, Cobalt is herewith intended as octoate. Use of different Cobalt salts could result in different geltimes. Always test on small scale before formulating large quantities.

PROPERTIES OF THE CURED UNREINFORCED RESIN ⁽³⁾

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
Curing cycle	16 h at 80°C + 2 h at 120°C		
Tensile strength	ISO 527 (2012)	MPa	60
Tensile modulus	ISO 527 (2012)	MPa	4050
Elongation at break	ISO 527 (2012)	%	1, 8
Flexural strength	ISO 178 (2011)	MPa	70
Flexural modulus	ISO 178 (2011)	MPa	3250
HDT	ISO 75-2A (2013)	°C	72

3) Properties are typical values, based on material tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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Tricel Composites (GB) Limited

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

Tricel Composites (NI) Limited

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

TECHNICAL DATA SHEET

Tel: +44 (0)113 270 3133

Email: sales@tricelcomposites.co.uk

Tel: +44 (0)284 175 3738

Email: sales@tricelcomposites.co.uk