

# TECHNICAL DATA SHEET

## TRIJECT FR 15C252A

### PRODUCT IDENTIFIER

<b>Product Name:</b>	TriJect FR 15C252A 1312648 Rev.1
<b>Revision Date:</b>	30-SEP-2025

### MAIN CHARACTERISTICS

#### Product Type

Unsaturated polyester resin in styrene,  
Orthophthalic

#### Appearance

White

#### Main Resin Characteristics

Low styrene emission

Pigmented

Preaccelerated

Medium reactivity

Thixotropic

#### Main Applications

General purpose

#### Moulding Informations

Vacuum infusion

Injection moulding, RTM

#### 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.

#### Precautions for Handling

Read carefully the Safety Data Sheet

Stir the resin before use, without introducing air

### FEATURES OF THE LIQUID RESIN<sup>(1)</sup>

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
Specific weight at 20°C		g/cm <sup>3</sup>	
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CU T23V	mPa.s	190 - 230
Solid content	MT-CU 001C	%	52 - 56
Reactivity	at 23°C + 2% AAP		
Gel time <sup>(2)</sup>	MT-CU 157R	Minutes	10 - 14
23°C - Peak	MT-CU 157R	Minutes	15 - 20

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Exothermic peak	MT-CU 157R	°C	130 - 160
Storage stability at 23°C in the dark	MT-CU 002S	Months	4

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 <sup>(3)</sup>

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	3300
Elongation at break	ISO 527 (2012)	%	2,7
Flexural strength	ISO 178 (2011)	MPa	125
Flexural modulus	ISO 178 (2011)	MPa	3705
HDT	ISO 75-2A (2013)	°C	113

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.

**Tel:** +44 (0)113 270 3133

**Email:** [sales@tricelcomposites.co.uk](mailto: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](mailto:sales@tricelcomposites.co.uk)