

TECHNICAL DATA SHEET

RESIN POLYESTER ORTHOPHTHALIC

PRODUCT IDENTIFIER

Product Name:	Resin Polyester Orthophthalic 1579155 Rev.0
Revision Date:	24-SEP-2025

MAIN CHARACTERISTICS

Product Type

Selfextinguishing resin in styrene

Appearance

White

Main Resin Characteristics

Filled

Preaccelerated

Medium reactivity

Thixotropic

Moulding Informations

Hand lay up and Spray up

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.

Precaution for Handling

Postcuring recommended. Read carefully the Safety Data Sheet.

Stir the resin before use, without introducing air.

FEATURES OF THE LIQUID RESIN⁽¹⁾

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
Brookfield viscosity at 23°C, sp 3 rpm 50	MT-CU T23V	mPa.s	800-1200
Solid content	MT-CU 001C	%	74-78
Reactivity	at 23°C +1,5% MEKP50		
Gel time ⁽²⁾	MT-CU 151R	Minutes	7-10
23°C - Peak	MT-CU 151R	minutes	22-32
Exothermic peak	MT-CU 151R	°C	50-70
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 140°C		
Tensile strength	ISO 527 (2012)	MPa	40
Tensile modulus	ISO 527 (2012)	MPa	3900
Elongation at break	ISO 527 (2012)	%	1, 15
Flexural strength	ISO 178 (2011)	MPa	100
Flexural modulus	ISO 178 (2011)	MPa	3900
HDT	ISO 75-2A (2013)	°C	110

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

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