TECHNICAL DATA SHEET

LLOYDS APPROVED RESIN

PRODUCT IDENTIFIER

Product Name:	Lloyds Approved Resin 1082644 Rev.4
Revision Date:	19-SEP-2025

MAIN CHARACTERISTICS

Product Type
Unsaturated polyester resin in styrene, Orthophthalic

Appearance
Pink

Main Applications
General Purpose

Main Resin Characteristics
Low styrene emission
Preaccelerated
Thixotropic

Mouldings Information
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. Shelf life will be reduced reaching higher temperature.

Precautions 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 THE LIQUID RESIN(1)

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
Specific weight at 20°C		g/cm³	1,10
Rotothinner viscosity at 23°C	MT-CU 008V	mPa.s	250 - 280
Solid content	MT-CU 001C	%	56 - 60
Reactivity	at 23°C +1,5% MEKP50		
Gel time(2)	MT-CU 151R	minutes	14 - 18

TRICEL
GENERATIONS OF INNOVATION

23°C - Peak	MT-CU 151R	minutes	27 - 37
Exothermic peak	MT-CU 151R	°C	90 - 110
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(3)

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
Curing cycle	16 h at 40°C (+ 2 h at 120°C for HDT)		
Tensile strength	ISO 527 (2012)	MPa	57
Tensile modulus	ISO 527 (2012)	MPa	3715
Elongation at break	ISO 527 (2012)	%	2,3
Flexural strength	ISO 178 (2011)	MPa	98
Flexural modulus	ISO 178 (2011)	MPa	3630
HDT	ISO 75-2A (2013)	°C	64

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.

TECHNICAL DATA SHEET

DISCLAIMER

The information contained in this document (which is to be intended only for explanatory purposes) is correct and accurate and is based on our technical and scientific knowledge and on literature at the date of publication. Such information relates only to use of the products in the pure state and for the purposes stated herein. Nothing in the information contained in this document shall be deemed to be a warranty or a representation (explicit or implicit) by the manufacturer, and/or taken or construed as infringing of any existing patents. The manufacturer shall not be under any liability or responsibility for any of the information provided under this document or for any errors, omissions or misstatements, even with regard to results to be obtained through the use of the aforesaid information.

This information is provided in good faith and every reasonable effort is made to ensure that it is accurate and up-to-date. Tricel Composites (GB) Ltd. shall not be liable for any damage arising, directly or indirectly, from the use of the information contained herein. It is issued on the condition that the user will determine the safety and suitability of this product for their purposes before use. Regulations are country-specific and local information should be sought before placing your product on the market.

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

TRICEL
GENERATIONS OF INNOVATION