# 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 Main Resin Characteristics

Unsaturated polyester resin in styrene, Low styrene emission
Orthophthalic Preaccelerated

Thixotropic

**Appearance** 

Pink Mouldings Information
Hand lay up and Spray up

**Main Applications** 

General Purpose

### Shelf Life & Storage

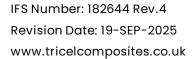
Store in the shade, out of direct sunlight. Keep storage temperature below 25°C. Unseal container just before use. Shelf life will be reduced reaching higher temperature.

#### **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	MT-CU 008V	mPa.s	250 - 280
23°C			
Solid content	MT-CU 001C	%	56 - 60
Reactivity	at 23°C +1,5% MEKP50		
Gel time <sup>(2)</sup>	MT-CU 151R	minutes	14 - 18





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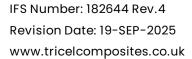
23°C - Peak	MT-CU 151R	minutes	27 - 37
Exothermic peak	MT-CU 151R	°C	90 - 110
Storage stability at 23°C	MT-CU 002S	months	4
in the dark			

- 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)	МРа	57
Tensile modulus	ISO 527 (2012)	МРа	3715
Elongation at break	ISO 527 (2012)	%	2,3
Flexural strength	ISO 178 (2011)	МРа	98
Flexural modulus	ISO 178 (2011)	МРа	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.





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