## **TECHNICAL DATA SHEET**

## **RESIN ORTHO POLYLITE 32032-00**

### **PRODUCT IDENTIFIER**

Product Name:	Resin ORTHO Polylite 32032-00		
	1579163 Rev.0		
Revision Date:	24-SEP-2025		

#### MAIN CHARACTERISTICS

**Product Type** 

Unsaturated polyester resin in styrene, Orthophthalic

**Main Applications** 

Inclusion

**Main Resin Characteristics** 

Acrylic modified Low reactivity Low viscosity Preaccelerated

## **Moulding Informations**

Casting

## Shelf Life & Storage

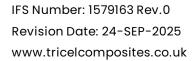
Store in the shade, out of direct sunlight. Keep storage temperature below 25°C. Unseal container just before use. Shelflife will be reduced reaching higher temperature.

### **Precaution for Handling**

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 25°C		g/cm³	1.08-1.12
Brookfield LVF at 25°C, sp 3 rpm 60	A040	mPa.s	300-400
Non Volatile Content	MT-CU 001C	%	60-64
	at 25°C + 1,25% MEKP50		
Gel time (2)	G020	Minutes	18-30
Curing time	G020	Minutes	50-80
Exothermic peak	G020	С	115-160
Shelf life at 25°C in the dark	MT-CU 002S	Months	3





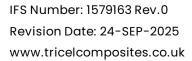
# TECHNICAL DATA SHEET

- 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
	Fully postcured		
Tensile strength	ASTM D638	MPa	69
Flexural strength	ASTM D790	MPa	90
HDT	ISO 75-2A (2013)	°C	74
Barcol hardness at 25°C	ASTM D 2583 (20	units	35-40

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 IPS.

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

