# **TECHNICAL DATA SHEET**

## **RESIN ORTHO SURF BOARD RESIN**

### **PRODUCT IDENTIFIER**

Product Name:	Resin ORTHO Surf Board Resin	
	1579960 Rev.0	
Revision Date:	24-SEP-2025	

#### MAIN CHARACTERISTICS

Product Type Main Resin Characteristics

Unsaturated polyester resin in styrene, Low reactivity
Orthophthalic Preaccelerated
Light stabilized

**Appearance** Medium viscosity

NA - Light - Transparent

Note

**Moulding Informations**Surfboards
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**

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, 12
Brookfield viscosity at 23°C, sp 2 rpm 50	MT-CU023V	mPa.s	540-640
Solid content	MT-CU001C	%	62-66
Reactivity	at 23°C +1% MEKP50		
Gel time <sup>(2)</sup>	MT-CU151R	Minutes	6-8
23°C - Peak	MT-CU151R	Minutes	15-21
Exothermic peak	MT-CU151R	°C	125-145
Shelf life at 23°C in the dark	MT-CU002S	Months	6

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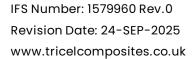
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- 1) Thoroughly test in your applications before full-scale use. Geltimes may vary due to the reactive nature of these materials and due to different brands of curing additives. Always test on small scale before formulating large quantities.
- 2) If 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 40°C (+ 2 h at		
	120°C for HDT)		
Tensile strength	ISO 527 (2012)	МРа	49
Tensile modulus	ISO 527 (2012)	МРа	3705
Elongation at break	ISO 527 (2012)	%	1, 9
Flexural strength	ISO 178 (2011)	МРа	105
Flexural modulus	ISO 178 (2011)	МРа	3370
HDT	ISO 75-2A (2013)	°C	59

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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