

# TECHNICAL DATA SHEET

## RESIN ORTHO SURF BOARD RESIN

### PRODUCT IDENTIFIER

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

### MAIN CHARACTERISTICS

#### Product Type

Unsaturated polyester resin in styrene,  
Orthophthalic

#### Appearance

NA - Light - Transparent

#### Moulding Informations

Hand lay up and Spray up

#### Main Resin Characteristics

Low reactivity  
Preaccelerated  
Light stabilized  
Medium viscosity

#### Note

Surfboards

#### 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<sup>(1)</sup>

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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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<sup>(3)</sup>

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	49
Tensile modulus	ISO 527 (2012)	MPa	3705
Elongation at break	ISO 527 (2012)	%	1, 9
Flexural strength	ISO 178 (2011)	MPa	105
Flexural modulus	ISO 178 (2011)	MPa	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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