# **TECHNICAL DATA SHEET**

## **RESIN POLYESTER ORTHOPHTHALIC**

### **PRODUCT IDENTIFIER**

Product Name:	Resin Polyester Orthophthalic 1579155 Rev.0
Revision Date:	24-SEP-2025

#### MAIN CHARACTERISTICS

Product Type Main Resin Characteristics

Selfextinguishing resin in styrene Filled

Preaccelerated

**Appearance** Medium reactivity

White Thixotropic

### **Moulding Informations**

Hand lay up and Spray up

### Shelf Life & Storage

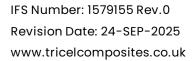
Store in the shade, out of direct sunlight. Keep storage temperature below 25°C. Unseal container just before use. Shelflife will be reduced reaching higher temperature.

## **Precaution for Handling**

Postcuring recommended. 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
Brookfield viscosity at	MT-CUT23V	mPa.s	800-1200
23°C, sp 3 rpm 50			
Solid content	MT-CU 001C	%	74-78
Reactivity	at 23°C +1,5% MEKP50		
Gel time <sup>(2)</sup>	MT-CU 151R	Minutes	7-10
23°C - Peak	MT-CU 151R	minutes	22-32
Exothermic peak	MT-CU 151R	°C	50-70
Storage stability at 23°C in the dark	MT-CU 002S	months	4





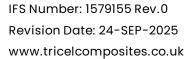
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- 1) Thoroughly test in your applications before full-scale use. Geltimes may vary due to the reactive nature of these materials and due to different brands of curing additives. Always test on small scale before formulating large quantities.
- 2) If 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 80°C + 2 h at		
	140°C		
Tensile strength	ISO 527 (2012)	МРа	40
Tensile modulus	ISO 527 (2012)	МРа	3900
Elongation at break	ISO 527 (2012)	%	1, 15
Flexural strength	ISO 178 (2011)	МРа	100
Flexural modulus	ISO 178 (2011)	МРа	3900
HDT	ISO 75-2A (2013)	°C	110

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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