

# TECHNICAL DATA SHEET

## RESIN POLYESTER ISOPHTHALIC

### PRODUCT IDENTIFIER

<b>Product Name:</b>	<b>Resin Polyester Isophthalic 1579153 Rev.0</b>
<b>Revision Date:</b>	<b>24-SEP-2025</b>

### Description

Resin Polyester Isophthalic is recommended for the production of polyester – glass laminates by hand lay-up and spray lay-up.

### Application

Resin Polyester Isophthalic is constructional, accelerated, thixotropic, unsaturated polyester resin on the base of isophthalic acid, with colorful curing indicator and reduced styrene emission. It is characterized by very good processing and mechanical parameters. It has high thermal and water resistance.

### Shelf Life

3 months from the production date.

### Storage

The resin should be stored in closed original containers, in dry, well ventilated and shaded warehouse compartments adapted for storage of combustible materials at a temperature below 25°C.

### Curing System

Good curing conditions are received while using : 1-2% of hardener MEKP. The gel time control is reached by changing the amount of the hardener ( within the range as above). Finally, curing could be optimized by post-curing at elevated temperatures.

### SPECIFICATION

PARAMETER	TEST METHOD	UNIT	TYPICAL VALUES
Viscosity (25°C)	ISO 3219	mPa s	240÷350
Gel time (25°C)	ISO 2535	min	15÷25
Flexural strength	ISO 178	mPa	min 120
Tensile strength	ISO 527	mPa	min 80

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<b>Tensile modulus</b>	ISO 527	mPa	3800
<b>Elongation at break</b>	ISO 527	%	min 3,0
<b>Heat resistance, HDT</b>	ISO 75	°C	min 90
<b>Barcol Hardness</b>	ASTM D 2583	°B	> 44

Curing system: 2% MEKP medium active

Mechanical parameters refer to unreinforced resin cured for 24 hours at room temperature and post-cured for 2 hours at 80 °C.

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