



常州迈特复合材料有限公司

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Technical Data Sheet

GENERAL PURPOSE RESIN (191)

Introduction

191 is a DCPD type unsaturated polyester resin with medium viscosity, high reaction activity under room temperature.

Suitable for ordinary hand lay up, filament winding process, to produce fiberglass parts, fittings, tanks, poles, pipes...

Product Features

- *Excellent wet out performance
- *Fast curing and easy demoulding

Technical Data

Item	Unit	Value	Test Standard
Appearance	/	Transparent Sticky Liquid	/
Acid Value	mgKOH/g	20-25	GB2895
Viscosity(25°C)	mPa.S	300-500	GB7193
Gel Time	munites	3-6	GB7193
Non-Volatile	%	69-75	GB7193
Thermal Stability(80°C)	/	≥24	GB7193

Note: Gel Time is 25°C in air bath;
0.5ml cobalt isocaprylate solution and 0.5ml MEKP solution were added into 50g resin

Indexes of Resin Casting Substance

Item	Unit	Value	Test Standard
Barcol hardness	barcol	≥ 40	GB3854
Tensile strength	MPa	≥ 55	GB2567
Elongation at break	Mpa	≥ 3.0	GB2567
Flexural strength	MPa	≥ 90	GB2567
Impact strength	KJ/M	≥ 6	GB2567
H.D.T	°C	≥ 70	GB1634.2
Experiment Temperature: $23 \pm 2^\circ\text{C}$ Relative humidity: $50 \pm 5\%$			

Package

Weight/drum (kg)	Drums/pallet	Quantity per 20'container	Quantity per 40'container
220	4	80drums = 17,600kg	108drums = 23,760kg

Storage

Shelf Time: 6 months (under 25°C environment)

Storage: Resin been suggested to be stocked in ventilated place, avoids direct sunlight, heat and fire.

Note: The data were tested according to GB standard. Influenced by many factors in the process of fabrication, necessary researches by user are not exclusive.

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