



常州迈特复合材料有限公司

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Technical Data Sheet

PULTRUSION RESIN (1203)

Introduction

1203 is an orthophthalic unsaturated polyester resin, medium viscosity and relative-high reactivity. Good mechanical intensity, smooth profile surface and H.D.T, as well as good toughness, applicable to pultrusion, for the manufacture of FRP pultrusion profiles.

Product Features

- *Fast pulling rate and wet out with fiberglass
- *Good surface quality, surface brightness
- *Outstanding corrosion-resistant performance

Technical Data

Item	Unit	Value	Test Standard
Appearance	/	Transparent Sticky Thick Liquid	ISO3374
Acid Value	mgKOH/g	16-24	GB2895
Viscosity(25°C)	mPa.S	500-850	GB7193
Gel Time	munites	9-17	GB7193
Non-Volatile	%	59-66	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 50 g resin

Indexes of Resin Casting Substance

Item	Unit	Value	Test Standard
Barcol hardness	barcol	40	GB3854
Tensile strength	MPa	65	GB2567
Tensile modulus	mPa.S	2500	GB2567
Elongation at break	%	3	GB2567
Flexural strength	MPa	100	GB2567
Flexural modulus	MPa	3000	GB2567
Impact strength	KJ/m2	≥24	GB2567
H.D.T	°C	75	GB1634.2
Experiment Temperature: 23±2°C Relative humidity: 50±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: 1203 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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