



常州迈特复合材料有限公司

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Technical Data Sheet

PULTRUSION RESIN (199)

Introduction

199 is an isophthalic unsaturated polyester resin, medium viscosity and relative high reactivity. Good mechanical intensity and H.D.T, as well as good toughness, applicable to pultrusion, for the manufacture of FRP pultrusion profiles, good anti-corrosion performance.

Product Features

- *Strong heat-resistance, good toughness, impact resistance
- *Outstanding corrosion-resistant performance
- *Smooth profiles surface

Technical Data

Item	Unit	Value	Test Standard
Appearance	/	Transparent Sticky Thick Liquid	/
Acid Value	mgKOH/g	11-19	GB/T 7193
Viscosity(25°C)	mPa.S	300-700	GB/T 7193.1-2008
Gel Time	munites	8-16	GB/T 7193.6-2008
Non-Volatile	%	58-68	GB/T 7193.3-2008
Thermal Stability (80°C)	/	≥24	GB/T 7193.5-2008

Note: Gel Time is 25°C in air bath;
0.5ml cobalt octoate 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	GB/T 3854-2005
Tensile strength	MPa	60	GB2567-2008
Tensile modulus	mPa.S	3500	GB2567-2008
Elongation at break	%	3.5	GB2567-2008
Flexural strength	MPa	90	GB2567-2006
Flexural modulus	MPa	3600	GB2567-2008
Impact strength	KJ/m2	7	GB2567
H.D.T	°C	120	GB1634-2004
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: 199 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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