



常州迈特复合材料有限公司

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Technical Data Sheet

RESIN FOR PANEL (126P)

Introduction

126P is an ortho-phthalic preaccelerated unsaturated polyester resin, with low viscosity and medium reactivity. Good compatibility with glass fiber roving and mat, is particularly applied to GRP continuous panel molding and hand pay up process, to produce transparent, translucent and opaque roof tiles, corrugated sheet, FRP panel.

Product Features

- *Good liquidity, high transparency, proper for FRP panel (transparent / translucent / opaque)
- *Excellent impregnates with fiberglass, anti-aging

Technical Data

Item	Unit	Value	Test Standard
Appearance	/	transparent sticky liquid	/
Acid Value	mgKOH/g	20-28	GB2895
Viscosity(25°C)	mPa.S	100-300	GB7193
Gel Time	munites	5-9	GB7193
Non-Volatile	%	55-63	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	35	GB3854
Tensile strength	MPa	50	GB2567
Tensile modulus	MPa	2200	GB2567
Elongation at break	%	3	GB2567
Flexural strength	MPa	80	GB2567
Flexural modulus	MPa	3000	GB2567
Impact strength	KJ/m ²	8	GB2567
H.D.T	°C	70	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: 126P 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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