



常州迈特复合材料有限公司

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Technical Data Sheet

RESIN FOR ARTIFICIAL STONE/BASIN (354)

Introduction

354 resin is an Ortho-phyhalic unsaturated polyester resin. The resin has moderate viscosity and reactivity, good colorability, high strength, and good toughness.

Used to mix with sand,stone and gravel, to produce: artifical marble, wash basins, kitchen countertops, bathtubs, spas, facade panel, sinks, artificial marble waistline...

Product Features

- *Good colorability
- *Moderate viscosity and reactivity
- *High strength and good toughness
- *Low shrinkage, Excellent curability

Technical Data

Item	Unit	Value	Test Standard
Appearance	/	light yellow transparent liquid	/
Acid Value	mgKOH/g	14-20	GB2895
Viscosity(25°C)	mPa.S	350-550	GB7193
Gel Time	munites	5-11	GB7193
Non-Volatile	%	54-60	GB7193
Thermal Stability (80°C)	h	≥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
Tensile modulus	mPa.S	3300	GB2567
Elongation at break	%	3	GB2567
Flexural strength	MPa	110	GB2567
Flexural modulus	MPa	3300	GB2567
Impact strength	KJ/m2	8	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: 354 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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