Technical Data Sheet

RESIN FOR ARTIFICIAL STONE AND BASIN (705)

Introduction

705 resin is a Iso-phthalic type unsaturated polyester resin with moderate viscosity and reactivity. Good water resistance, stain resistance, and alkali resistance.

Especially suitable for manufacturing sanitary ware(bathtubs,sinks), decorative parts(countertops), waistlines, and other products.

Product Features

*Water,soiling and alkali resistance
*Medium viscosity and moderate reactivity
*Product has good weather resistance

Technical Data

Item	Unit	Value	Test Standard
Appearance	/	Sticky Liquid	/
Acid Value	mgKOH/g	14-20	GB2895
Viscosity(25°C)	mPa.S	600-950	GB7193
Gel Time	munites	4-9	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	35	GB3854
Tensile strength	MPa	65	GB2567
Tensile modulus	mPa.S	3000	GB2567
Elongation at break	%	4	GB2567
Flexural strength	MPa	85	GB2567
Flexural modulus	MPa	3000	GB2567
Impact strength	KJ/m2	8	GB2567
H.D.T	°C	65	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: 705 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.
Legally, no warranties for some performances of product are applicable to one specific use and the rights to amend the materials are reserved.