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DS-721-8-Quartz stone Resin

DS-721-8 is an orthophthalic unsaturated polyester resin with medium viscosity and reactivity, good toughness and excellent mechanical strength. It is suitable for manufacturing artificial marble scrap bonding and artificial quartz slabs.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Appearance		viscous liquid	
Chroma (Pt-Co)		25-35	GB7193.7-92
Acid Value	mgKOH/g	18-22	GB2895-82
Viscosity(25°C)	mPa.S	750-900	GB7193.1-87
Gel Time	min	6-9	GB7193.6-87
Non-Volatile	%	66-70	GB7193.3-87
Thermal Stability(80°C)	h	≥24	GB7193.5-87

Note: Gel Time is 25°C; in air bath, 0.5 ml cobalt isocaprylate solution and 0.5 ml MEKP solution were added into 50 g resin.

Performance Indexes of Resin Casting Substance			
Item	Unit	Value	Standard
Barcol hardness≥	Barcol	34	GB3854-1983
Tensile strength ≥	MPa	55	GB2568-1995
Tensile modulus ≥	MPa	2700	GB2568-1995
Elongation at break≥	%	12.0	GB2568-1995
Flexural strength≥	MPa	75	GB2570-1995
Flexural modulus≥	MPa	2800	GB2570-1995
H.D.T ≥	°C	57	GB1634-1989

Note: Environmental Temperature for Experiment: 23±2°C; relative humidity: 50±5%

Packing and Storing

DS721-8 : Packed in metal drum of 220KGS Net weight with shelf life of 6 months at 20°C at ventilated places, avoiding direct sunlight and heat or 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