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**721-3 - Quartz stone Resin**

DS-721-3 is an orthophthalic unsaturated polyester resin with low viscosity, high reactivity, good toughness and excellent mechanical strength. It is suitable for manufacturing artificial marble scrap bonding and artificial quartz stone slabs.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Testing Standard
Appearance		Sticky Liquid	
Chroma (Pt-Co)		25~35	GB7193.7-92
Acid Value	mgKOH/g	22~25	GB2895-82
Viscosity(25°C)	mPa.S	700~1000	GB7193.1-87
Gel Time	min	7~9	GB7193.6-87
Non-Volatile	%	66~70	GB7193.3-87
Thermal Stability(80°C)	h	≥24	GB7193.5-87
Note: Gel Time is25°C; in air bath, 0.5 ml cobalt isocaprylate solution and 0.5 ml MEKP solution were added			

Performance Indexes of Resin Casting Substance			
Item	Unit	Value	Testing Standard
Barcol hardness ≥	Barcol	38	GB3854-1983
Tensile strength ≥	MPa	60	GB2568-1995
Tensile modulus ≥	MPa	2900	GB2568-1995
Elongation at break ≥	%	8.0	GB2568-1995
Flexural strength ≥	MPa	85	GB2570-1995
Flexural modulus≥	MPa	3000	GB2570-1995
Impact strength ≥	KJ/m <sup>2</sup>	12.0	GB2571-1995
H.D.T ≥	°C	60	GB1634-1989
Note: experimental ambient temperature 23±2°C relative humidity 50±5%			

**Packing and Storing**

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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.