

**常州联拓复合材料有限公司**  
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**DS-721-4Y - Quartz stone Resin**

DS-721-4Y is an orthophthalic unsaturated polyester resin with low viscosity, high reactivity, good toughness and excellent mechanical strength. It is suitable for manufacturing artificial marble and artificial quartz slabs.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Testing Standard
Appearance		Sticky Liquid	
Acid Value	mgKOH/g	18-22	GB2895
Viscosity(25°C)	mPa.S	500-650	GB7193
Gel Time	min	6-9	GB7193
Non-Volatile	%	65-68	GB7193
Thermal Stability(80°C)	h	≥24	GB7193

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

Specification for Physical Properties			
Item	Unit	Value	Testing Standard
Barcol hardness ≥	Barcol	34	GB3854
Tensile strength ≥	MPa	55	GB2567
Elongation at break ≥	%	12.0	GB2567
Flexural strength ≥	MPa	75	GB2567
Impact strength ≥	KJ/m <sup>2</sup>	12.0	GB2567
Heat deflection temperature(H.D.T) ≥	°C	57	GB1634.2

Note: experimental ambient temperature 23±2°C relative humidity 50±5%

**Packing and Storing**

DS721-4Y : 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.