

**常州联拓复合材料有限公司**  
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**DS721-6 - Quartz stone Resin**

DS721-6 is an orthophthalic unsaturated polyester resin with low viscosity, high reactivity, good toughness and excellent mechanical strength. It is suitable for manufacturing artificial quartz slabs.

Technical Index for Liquid Resin			
Item	Unit	Value	Standard
Appearance		Sticky liquid	
Acid Value	mgKOH/g	16-19	GB2895
Viscosity(25°C)	Mpa.S	300-450	GB7193
Gel Time	min	4-6	GB7193
Non-Volatile	%	63-66	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

Specification for Physical Properties			
Item	Unit	Value	Standard
Barcol Hardness ≥	Barcol	32	GB3854
Tensile Strength ≥	Mpa	50	GB2567
Elongation at break ≥	%	10.0	GB2567
Flexural Strength ≥	Mpa	75	GB2567
Impact strength ≥	KJ/m <sup>2</sup>	15.0	GB2567
Heat deflection temperature(H.D.T) ≥	°C	58	GB1634.2

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

**Package and Recommended Storage:**

DS721-6 : 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.