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## **321P - Hand Layup Resin**

DS-321P is Pre-accelerated unsaturated polyester resin, the resin processing performance is good, suitable for hand paste, spray, spray and other process and its FRP products have good mechanical strength, suitable for making glass plate, etc.

	Technical Inde	xes of Liquid Resin	
Item	Unit	Value	Standard
Appearance		Transparent Sticky Thick Liquid	
Acid Value	mgKOH/g	17-23	GB2895
Viscosity(25°C)	Mpa.S	220-280	GB7193
Gel Time	min	30-54	GB7193
Non-Volatile	%	57-63	GB7193
Thermal Stability(80°C)	h	≥24	GB7193

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

Specification for Physical Properties				
Item	Unit	Value	Standard	
Barcol Hardness ≥	Barcol	40	GB3854	
Tensile Strength $\geq$	MPa	65	GB2567	
Tensile modulus $\geq$	GPa	3.0	GB2567	
Elongation at break $\geq$	%	4.0	GB2567	
Flexural Strength $\geq$	Mpa	110	GB2567	
Flexural modulus $\geq$	GPa	3.0	GB2567	
Impact strength $\geq$	KJ/m <sup>2</sup>	10	GB2567	
Heat deflection temperature(H.D.T) ≥	°C	85	GB1634.2	

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

## **Packing and Storing**

DS-321P Packed in metal pail of 220 KG 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.