



**DS-658N**

DS-658N is a orthophthalic type unsaturated polyester resin with high elongation at breaks and impact strength, excellent mechanical strength. It is suitable for hand lay-up and spray-up, particularly applicable to winding glass fibers reinforced pipe, and common glass fiber product.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Appearance		Transparent Sticky Thick Liquid	Visual
Acid Value	mgKOH/g	18-22	GB2895-82
Viscosity(25°C)	mPa.S	450-650	GB7193.1-87
Gel Time	min	8-10	GB7193.6-87
Exothermic Peak	°C	165-180	
Hardening time	Min	9-15	
Stability 80°C	H	48	
Non-Volatile	%	60-68	GB7193.3-87

Note: Gel Time is 25° C; in air bath; 0.5ml Cobalt iso coprolite and 0.5 ml MEKP solution was added into 50 g resin

Performance Indexes of Resin Casting Substance			
Item	Unit	Value	Standard
Barcol hardness $\geq$	Barcol	40	GB3854-1983
Tensile strength $\geq$	MPa	70	GB2568-1995
Tensile modulus $\geq$	MPa	3000	GB2568-1995
Elongation at break $\geq$	%	3.5	GB2568-1995
Flexural strength $\geq$	MPa	90	GB2570-1995
Flexural modulus $\geq$	MPa	3200	GB2570-1995
Impact Modulus $\geq$	KJ/m <sup>2</sup>	20	GB2571-1995
H. D. T $\geq$	°C	80	GB1634-1989

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



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**Remark:**

1. Sample of casting substance refers to GB/T8237-2005.
2. The treatment of casting substance : Indoor temperature/24 hours + 90°C/3 hours

**Packing and Storing**

DS-658N: Packed in metal pail of 220 KG net weight with shelf life of 3-6 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.