

**常州联拓复合材料有限公司**  
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**125P-1 - Vacuum/RTM**

DS-125P-1 is an unsaturated polyester resin of pre-accelerated type. It has good properties of process, applicable to different technologies of hand lay-up, RTM etc. Its glass reinforced plastic has good mechanic hardness.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Testing Standard
Appearance		Reddish Liquid	
Chroma (Pt-Co)		---	GB7193
Acid Value	mgKOH/g	21-27	GB2895
Viscosity(25°C)	mPa.S	165-275	GB7193
Gel Time	min	14-26	GB7193
Non-Volatile	%	57-63	GB7193
Thermal Stability	h	≥24	GB7193
Note: Gel Time is 25°C; in air bath; 0.5 ml MEKP solution were added into 50 g resin			

Performance Indexes of Resin Casting Substance			
Item	Unit	Value	Testing Standard
Barcol hardness ≥	Barcol	40	GB3854
Tensile strength ≥	MPa	60	GB2567
Tensile modulus ≥	MPa	3000	GB2567
Elongation at break ≥	%	3.0	GB2567
Flexural strength ≥	MPa	100	GB2567
Flexural modulus ≥	MPa	3100	GB2567
Impact strength ≥	KJ/m <sup>2</sup>	7.0	GB2567
H.D.T ≥	°C	65	GB1634.2
Note: experimental ambient temperature 23±2°C relative humidity 50±5%			

**Packing and Storing**

DS-125P-1: 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.