

常州联拓复合材料有限公司
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TECHINICAL DATA SHEET FOR 125PT

125PT is pre-promote the thixotropic unsaturated polyester resin, silica and other additives added thixotropic imported from. With good infiltration, medium reactivity, vertical non-sag characteristics, suitable for hand lay-up and injection molding process, the FRP has good mechanical strength..

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Appearance		Reddish viscous	Visual
Chroma (Pt-Co)		---	GB7193
Acid Value	mgKOH/g	21-27	GB2895-82
Viscosity(25°C)	mPa.S	240-385	GB7193.1-87
Gel Time	min	20-36	GB7193.6-87
Non-Volatile	%	56-60	GB7193.3-87
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			

Performance Indexes of Resin Casting Substance			
Item	Unit	Value	Standard
Barcol hardness \geq	Barcol	40	GB3854-1983
Tensile strength \geq	MPa	60	GB2568-1995
Tensile modulus \geq	MPa	3000	GB2568-1995
Elongation at break \geq	%	3.0	GB2568-1995
Flexural strength \geq	MPa	100	GB2570-1995
Flexural modulus \geq	MPa	3100	GB2570-1995
Impact strength \geq	KJ/m2	3.0	GB2571-1995
H.D.T \geq	°C	60	GB1634-1989
Note: Environmental Temperature for Experiment: 23±2°C; relative humidity: 50±5%			

Packing and Storing

125PT is packaged in a metal drum Net weight 220KG, stored at 20 °C for six months, the corresponding increase in temperature will shorten the shelf life, storage should be placed in a cool ventilated place, avoid direct sunlight and away from heat, inflammable materials, should stay away from open flame.

Note: This data is in accordance with national standards (GB) determination, because in the process has many factors, so do not rule out the need for user-testing research, the law does not guarantee certain properties of the product is fully applicable.