

常州联拓复合材料有限公司
CHANGZHOU UTEK COMPOSITE CO., LTD.

FuhanYuan 1-812, New North District, Changzhou 213022, Jiangsu, China
 T: 86-519-85856360; www.utekcomposite.com; info@utekcomposite.com

TECHINICAL DATA SHEET FOR 162PT

162PT is orthophthalic pre-accelerated thixotropic unsaturated polyester resin, add thixotropic imported silica and other additives, with vertical flow not hang, good water resistance, low shrinkage, high mechanical strength, especially suitable for auto parts, cooling towers and other products.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Appearance		Transparent Sticky Thick Liquid	
Acid Value	mgKOH/g	13-21	GB2895
Viscosity(25°C)	mPa.S	400-600	GB7193
Gel Time	min	11-19	GB7193
Non-Volatile	%	20-36	GB7193
80°CThermal Stability	min	5-9	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			

Performance Indexes of Resin Casting Substance			
Item	Unit	Value	Standard
Barcol hardness \geq	Barcol	40	GB3854
Tensile strength \geq	MPa	65	GB2567
Tensile modulus \geq	MPa	3.0	GB2567
Elongation at break \geq	%	4.0	GB2567
Flexural strength \geq	MPa	110	GB2567
Flexural modulus \geq	MPa	3.0	GB2567
Impact strength \geq	KJ/m2	10	GB2567
H.D.T \geq	°C	85	GB1634.2
Note: Environmental Temperature for Experiment: 23 \pm 2°C; relative humidity: 50 \pm 5%			

Packing and Storing

162PT: 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.