

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

566-2 - Hand Layup Resin

566-2 is an DCPD type pre accelerated unsaturated polyester resin with moderate viscosity and high reactivity, good mechanical properties, has certain corrosion resistance, suitable for ordinary hand lay-up FRP products.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Appearance		Reddish Sticky Liquid	Visual
Acid Value	mgKOH/g	15-20	GB2895-82
Viscosity (25°C)	mPa.S	80-350	GB7193.1-87
Gel Time	min	4-8	GB7193.6-87
Non-Volatile	%	57-63	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	35	GB3854-1983
Tensile strength \geq	MPa	60	GB2567-1995
Tensile modulus \geq	MPa	3200	GB2567-1995
Elongation at break \geq	%	2.0	GB2567-1995
Flexural strength \geq	MPa	100	GB2567-1995
Flexural modulus \geq	MPa	3300	GB2567-1995
Impact strength \geq	KJ/m ²	7	GB2571-1995
H.D.T \geq	°C	75	GB1634-1989

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

Packing and Storing

566-2 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