

**常州联拓复合材料有限公司**  
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### 380P - Hand Layup Resin

380P is Pre-accelerated unsaturated polyester resin, has the good invasive, especially emulsion type glass fiber, shrinkage deformation is small, high mechanical strength, suitable for hand paste molding production of auto parts and other FRP products.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Appearance		Reddish Sticky Liquid	Visual
Acid Value	mgKOH/g	26-34	GB2895-82
Viscosity (25°C)	mPa.S	280-460	GB7193.1-87
Gel Time	min	25-25	GB7193.6-87
Non-Volatile	%	60-66	GB7193.3-87
80°C Thermal Stability	hour	≥24	GB7193.5

Note: Gel Time is 25°C; in air bath; 0.5ml cobalt isocaprylate solution and 0.5 ml MEKP solution

Performance Indexes of Resin Casting Substance			
Item	Unit	Value	Standard
Barcol hardness ≥	Barcol	40	GB3854-1983
Tensile strength ≥	MPa	65	GB2567-1995
Tensile modulus ≥	MPa	3000	GB2567-1995
Elongation at break ≥	%	4.0	GB2567-1995
Flexural strength ≥	MPa	110	GB2567-1995
Flexural modulus ≥	MPa	3000	GB2567-1995
Impact strength ≥	KJ/m <sup>2</sup>	10	GB2571-1995
H.D.T ≥	°C	85	GB1634-1989

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

**Packing and Storing**

380P 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.