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### 603N - Pultrusion Resin

DS-603N is an isophthalic type unsaturated polyester resin with medium viscosity and medium reactivity, good mechanical intensity and H.D.T, as well as good toughness, applicable to pultrusion, winding and the manufacture of pultrusion profiles and tent pole products.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Appearance		Transparent Sticky Thick Liquid	
Acid Value	mgKOH/g	16-24	GB2895
Viscosity(25°C)	mPa.S	500-800	GB7193
Gel Time	min	5-9	GB7193
Non-Volatile	%	61-67	GB7193
Thermal Stability(80°C)	h	≥24	GB7193
Note: Gel Time is 25°C; in air bath; 0.5 ml cobalt isocaprylate solution and 0.5ml MEKP solution were added into 50 g resin			

Performance Indexes of Resin Casting Substance			
Item	Unit	Value	Standard
Barcol hardness ≥	Barcol	40	GB3854
Tensile strength ≥	MPa	60	GB2567
Tensile modulus ≥	MPa	3000	GB2567
Elongation at break ≥	%	4.0	GB2567
Flexural strength ≥	MPa	90	GB2567
Flexural modulus ≥	MPa	3000	GB2567
Impact strength ≥	KJ/m <sup>2</sup>	7.0	GB2567
H.D.T ≥	°C	80	GB1634.2
Note: Environmental Temperature for Experiment: 23±2°C; relative humidity: 50±5%			

#### Packing and Storing

DS-603N: 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.