

**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

### 627 - Pultrusion Resin

DS-627 is an orthophthalic type unsaturated polyester resin with medium viscosity, high reactivity, excellent glass imbibition to glass fibers and high H.D.T., applicable to the process of pultrusion molding, particularly applicable to the manufacture of tent glass fiber reinforced plastic etc.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Appearance		Sticky Thick Liquid	Visual
Chrome (Pt-Co)		30-60	GB7193.7-92
Acid Value	mgKOH/g	19-24	GB2895-82
Viscosity(25°C)	mPa.S	350-700	GB7193.1-87
Gel Time	min	8-13	GB7193.6-87
Non-Volatile	%	61-66	GB7193.3-87
Thermal Stability(80°C)	h	≥24	GB7193.5-87

Note: Gel Time is 25°C; in air bath, 0.5 ml 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≥	Barcol	40	GB3854-1983
Tensile strength ≥	MPa	65	GB2568-1995
Tensile modulus ≥	MPa	3200	GB2568-1995
Elongation at break≥	%	3. 0	GB2568-1995
Flexural strength≥	MPa	95	GB2570-1995
Flexural modulus≥	MPa	3300	GB2570-1995
Impact strength≥	KJ/m <sup>2</sup>	7. 0	GB2571-1995
H.D.T ≥	°C	75	GB1634-1989

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

#### Packing and Storing

DS-627: Packed in metal pail of 220 KG net weight with shelflife of 6 months at 20°C at ventilated places; avoiding direct sunlight and heat or fire.