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632N - Pultrusion Resin

DS-632N is a terephthalic type unsaturated polyester resin with medium viscosity and more higher reactivity, good mechanical intensity and H.D.T, as well as good toughness, applicable to the manufacture of pultrusion profiles .

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Acid Value	mgKOH/g	20-25	GB2895
Viscosity(25°C)	Mpa.S	780-950	GB7193
Gel Time	min	3-10	GB7193
Non-Volatile	%	64-70	GB7193
Thermal Stability(80°C)	h	≥24	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 ≥	Barcol	40	GB3854
Tensile Strength ≥	MPa	60	GB2567
Tensile modulus ≥	MPa	2400	GB2567
Elongation at break ≥	%	5.2	GB2567
Flexural Strength ≥	Mpa	85	GB2567
Flexural modulus ≥	Mpa	3000	GB2567
Impact strength ≥	KJ/m ²	6	GB2567
Heat deflection temperature(H.D.T) ≥	°C	85	GB1634.2

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

Packing and Storing

DS-632N: 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.