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681 - Pultrusion Resin

DS-681 is orthophthalic unsaturated polyester resin, stable performance, excellent high filler loading.

Pultruded rod is mainly used for bed nets, spray bar and tool handles, profiles and etc.

Features: Good impregnated of glass fiber reinforcement, fast pulling speed. Pultruded rod is mainly used for bed nets, spray bar and tool handles and other relevant products

Technical Index for Liquid Resin			
Item	Unit	Value	Standard
Appearance		Transparent Viscous liquid	
Acid Value	mgKOH/g	16-22	GB2895
Viscosity(25°C)	Mpa.S	420-680	GB7193
Gel Time	min	6-10	GB7193
Non-Volatile	%	63-69	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

Specification for Physical Properties			
Item	Unit	Value	Standard
Barcol Hardness ≥	Barcol	38	GB3854
Tensile Strength ≥	Mpa	55	GB2567
Elongation at break ≥	%	5 0	GB2567
Flexural Strength ≥	Mpa	73	GB2567
Impact strength ≥	KJ/m ²	10	GB2567
Heat deflection temperature(H.D.T) ≥	°C	70	GB1634.2

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

Package and Recommended Storage:

DS-681 : Packed in metal drum of 220KGS 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.