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TECHINICAL DATA SHEET FOR 885N SMC/BMC

885N is an Orthophthalic SMC/BMC unsaturated polyester resin with stable thickening and high reactivity. Has high gloss, high mechanical strength, low shrinkage. Widely used in pressing automobile, rail transit, electrical department Parts, construction facilities, industrial, civil equipment and other fields of high mechanical strength and electrical properties of the molded products

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Appearance		Straw yellow liquid	Visual
Chroma(Pt-Co)		40-60	GB7193
Acid Value	mgKOH/g	17-21	GB2895
Viscosity(25°C)	mPa.S	1300-1700	GB7193
Gel Time	min	4-8	GB7193
Non-Volatile	%	64-67	GB7193
Thermal Stability(80°C)	h	24	GB7193

Note: Gel Time is 25°C; in air bath; 1ml cobalt isocaprylate solution and 1ml MEKP solution were added into 50g resin

Performance Indexes of Resin Casting Substance			
Item	Unit	Value	Standard
Barcol hardness \geq	Barcol	40	GB3854
Tensile strength \geq	MPa	60	GB2567
Tensile modulus \geq	MPa	3000	GB2567
Elongation at break \geq	%	2.5	GB2567
Flexural strength \geq	MPa	100	GB2567
Flexural modulus \geq	MPa	3500	GB2567
Impact strength \geq	KJ/m ²	10	GB2567
H.D.T \geq	°C	130	GB1634.2

Note: (1)The ambient temperature was 23 ± 2°C and the relative humidity was 50 ± 5%

Packing and Storing:

885N is packed in metal drums with net weight of 220KG, and its storage life is six months at 20°C. The storage life will be shortened when the temperature increases. It should be stored in a cool and ventilated place, avoid direct sunlight and keep away from heat source