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

TECHINICAL DATA SHEET FOR 886N SMC

886N SMC for Resin is a special SMC/BMC unsaturated polyester resin with high activity, low viscosity, stable thickening, excellent water resistance, heat resistance and weather resistance. Resin viscosity is very low, suitable for high fill SMC/BMC formulations. Widely used in pressing sanitary ware, automobile, rail transit, electrical parts, construction facilities, industrial, civil equipment and other fields of gloss, flatness, thermal deformation temperature requirements of zero shrinkage molding products.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Appearance		Light yellow transparent Liquid	Visual
Acid Value	mgKOH/g	16-20	GB2895
Viscosity(25℃)	mPa.S	500-900	GB7193
Gel Time	min	4-8	GB7193
Non-Volatile	%	60-63	GB7193
Stability(80℃)	h	≥24	GB7193

Note: Gel Time is 25°C; in air bath; 0.75ml cobalt isocaprylate solution and 0.75ml MEKP solution were added into 50g resin

Performance Indexes of Resin Casting Substance			
Item	Unit	Value	Standard
Barcol hardness≥	Barcol	40	GB3854
Tensile strength ≥	MPa	50	GB2567
Tensile modulus ≥	MPa	2500	GB2567
Elongation at break≥	%	2.0	GB2567
Flexural strength≥	MPa	85	GB2567
Flexural modulus≥	MPa	3000	GB2567
Impact strength≥	KJ/m2	7	GB2567
H.D.T ≥	℃	140	GB1634.2

Note: (1)Casting system sample method: according to GB/T8237-2005

(2)Casting post-treatment method: room temperature /24 hours +40℃/1 hour +90℃/3 hours

(3)The ambient temperature was 23±2℃ and the relative humidity was 50±5%

Packing and Storing:

886N is packed in metal drums with net weight of 220KG, and its storage life is six months at 20℃. 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