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TECHINICAL DATA SHEET FOR 838N BMC

838N BMC for Resin has the characteristics of low price, stable thickening, high viscosity, high mechanical strength and good toughness. Widely used in pressing construction facilities, industrial, civil equipment and other fields of performance requirements of ordinary manhole covers, sinks, laundry basins and other thick molded products.

Technical Indexes of Liquid Resin			
Item	Unit	Value	Standard
Appearance		Dark brown transparent sticky	Visual
Acid Value	mgKOH/g	16-22	GB2895
Viscosity(25°C)	mPa.S	2000-2400	GB7193
Gel Time	min	5-9	GB7193
Non-Volatile	%	68-71	GB7193
Stability(80°C)	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	38	GB3854
Tensile strength ≥	MPa	60	GB2567
Tensile modulus ≥	MPa	2000	GB2567
Elongation at break≥	%	3.5	GB2567
Flexural strength≥	MPa	90	GB2567
Flexural modulus≥	MPa	2500	GB2567
Impact strength≥	KJ/m2	12	GB2567
H.D.T ≥	°C	110	GB1634.2

Note: (1)Casting system sample method: according to GB/T8237-2005
(2)Casting post-treatment method: room temperature /24 hours +40°C/1 hour +90°C/3 hours
(3)The ambient temperature was 23 ± 2°C and the relative humidity was 50 ± 5%

Packing and Storing:

838N 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