

## PRODUCTION SPECIFICATION

NAME: Phenolic Resin

### DESCRIPTION:

Phenolic resin is used as the main adhesive in the friction industry, without its binding effect, we cannot produce a qualified friction products. Resin doubtless is the core friction material ingredient, its performance plays an important role on the brake pads and clutches manufacture. In the whole combination of friction materials, resin not only bears part of the pressure capacity, but also spreads out part of the pressure capacity by transferring to fillers and enhancers. This kind of resin has many advantages such as low content of free phenol, high thermo-decomposing temperature, low thermos-fade of high temperature, good fluidity, low volatility, high soakage ability for fiber and stuffing, good thermo-stability coefficient and thermos-recovery ability and low wearing and so on.

### GRANULARITY(SIEVEANALYSIS, PARTICLE SIZE)

Sieve size :	0.075 mm,
Mesh:	200
Detection value	98.00%

### APPEARANCE

Shape:	Micro-sphere Powder
Color:	White to Light Yellow

### PROPERTIES

Specific Gravity( g/cc )	0.5-0.6
Moisture Rate(%)	≤1.5%
Softening Point(°C)	90
Free Phenol Content( % )	≤4.5
Volatile Content( % )	2.6
Polymerization Speed(S/150°C)	50-90
Flow Length(mm/125°C)	35-55
Meth enamine Content(%)	8-9, or adjusted according to client's requirement



### PACKAGE

20KG or 25KG/bag, plastic fiber waived bag with plastic film liner. Keep in dry and drafty place under 25 °C.

### APPLICATION

Phenolic resin is used as friction material for Automotive, Commercial Vehicle, Motorcycles, Trailers brake pads and brake linings, and Braking Elements Industrial Equipment, etc.