

## FRICTION PHENOLIC RESIN

### Property & Usage

**Megachem-Phenolic Resin For Friction Materials** is thermoplastic phenolic resin, modified phenolic resin formed by polycondensation of phenol and formaldehyde under the action of acid catalyst. has the characteristics of low free phenol content, high thermal decomposition temperature, low high-temperature thermal decay, good fluidity, strong infiltration ability to fibers and fillers, stable friction coefficient of products, strong thermal recovery ability and low wear.

Usage in disc brake pads, drum discs, clutch discs, brake bands, friction blocks, steel backing rubber, train brake shoes and industrial brake shoes on automobiles.

### Technical Data Sheet

FRICTION PHENOLIC RESIN	PH901	PH902	PH9019H
Appearance	light yellow powder	light yellow or pale reddish brown powder	light yellow or white powder
Polymerization speed (Sec/150 deg C)	70 – 120	65 – 110	60 – 110
Mobility (mm)	25 - 45	25 - 50	25 - 30
Urotropine content	8.0% - 9.5%	8.0% - 10.0%	8.2% - 9.2%
Free phenol content	3.5% max	3.5% max	3.5% max
Fineness (pass 200 mesh)	95% min.	95% min.	95% min.

### Package & Notice

<b>Package</b> 20/25kg net in kraft/plastic woven bag	<b>20'FCL load</b> 18mt (720bags)	<b>20'FCL palletized</b> 16mt (640bags)-pallet
<b>HS code</b> 39094000	<b>CAS Number</b> 9003-35-4/25085-50-1	<b>EC# (EINECS)</b> unspecified
<b>Structural</b> macromolecule polymer	<b>Storage</b> In cool place, avoid fire and high temperature.	