

# Technical Data Sheet

## KPH-F2004

### Phenol Novolac Resin

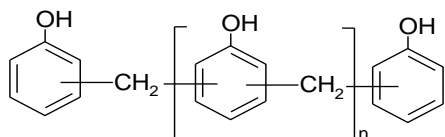
#### General Description

KPH-F2004 is a straight phenol novolac resin and supplied in flake form. It is used in epoxy resin hardener for high Tg CCLs. KPH-F2004 has high heat resistance and good chemical resistance properties. Also resin is under control, has low ion and monomer contents.

#### Properties

| Property        | Typical Values    | Remark                       |
|-----------------|-------------------|------------------------------|
| Appearance      | Pale yellow flake | -                            |
| Softening Point | 117 ~ 123         | °C, Mettler Method (2°C/min) |
| Free Phenol     | 0.2 Max.          | %, HPLC Analysis             |
| Water Cont.     | 0.2               | %, Karl-fisher Analysis      |
| OH Equivalent   | 104 ~ 108         | -                            |

#### Chemical Structure



#### Storage

Keep in cool, dry, well ventilate condition and in closed containers.

Keep away from sources and direct sunlight. Recommended safe handling procedures are discussed in the information on the MSDS should reviewed and understood before working

#### Packaging

The standard package for KPH-F2004 is a multi-wall paper bag containing 20Kg net of resin. A package can be changed with special order.