

# Technical Data

TD No. R-4E

## Resitop for refractory

The application of phenolic resin to refractory industry has a lot of advantages such as high carbon yield, exhibition of high binding strength at the lower temperature, low hazardous nature and environmental reason. Liquid and pulverized phenolic resins are available in this application. Resins are selected according to the type and required properties of refractory. Gun ei chemical Industry Co., Ltd. develops and provides phenolic resin, which has the suitable property for various types of refractory.

### 【Liquid type】

| Property<br>Resitop       | Viscosity<br>mPa·s/25 | Non volatile<br>%/135 | Free<br>Phenol<br>% | Moisture<br>Content<br>% | Carbon<br>Yield<br>% |
|---------------------------|-----------------------|-----------------------|---------------------|--------------------------|----------------------|
| PL-8208<br>Liquid Novolak | 2400 ~ 2800           | 62 ~ 67               | 8 ~ 12              | 3 ~ 6                    | 43 ~ 46              |
| PL-4826<br>Resol          | 600 ~ 900             | 75 ~ 79               | 14 ~ 17             | 8 ~ 12                   | 45 ~ 50              |

caution:Flammable

### 【Powder type】

| Property<br>Resitop | Melting Point | Gel time<br>sec/150 | Flow<br>mm/125 | Carbon yield<br>% |
|---------------------|---------------|---------------------|----------------|-------------------|
| PGA-4500            | 70 ~ 90       | 50 ~ 80             | 30 ~ 50        | 52 ~ 57           |
| PGA-4528            | 73 ~ 81       | 35 ~ 60             | 30 ~ 50        | 52 ~ 57           |

The above values are typical information and are not guarantee value.

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