

# Acid soluble, solvent soluble grade PR-X23099A

## ●Characteristic

- ✓ Cationic type applicable in acid solution
- ✓ High solubility in various solvents
- ✓ Low viscosity and easy to handle

## ●Resin property

Item	PR-X23099A
Ion	Cation
Free phenol %	<0.1
Free formaldehyde %	<0.1
Ash content %	0
Viscosity mPa·s,25℃	160
Gelation time Sec/165℃	320
Resin content %/135℃	49
pH -/25℃	5.4
Fixed carbon %/800℃	16

## ●Viscosity & Solvent Solubility

### Viscosity

Grade	Viscosity mPas/25℃
PR-56449	770
PR-X25030S	200
PR-56451	3000
<b>PR-X23099A</b>	<b>160</b>

### Solubility

Solvent	PR-X23099A
Distilled water	◎
7.5% H <sub>3</sub> PO <sub>4</sub> aqueous solution	◎
Ethanol	◎
Acetone	○
Propyleneglycol monomethylether	◎

◎ :Over 5 times, ○:Over 1 times,

Grade	PR-56367	PR-56449	PR-56451	PR-X23099A
Distilled water	◎	◎	◎	◎
5% NaOH aqueous solution	◎	◎	◎	×
7.5% H <sub>3</sub> PO <sub>4</sub> aqueous solution	×	×	×	◎
Methanol	◎	×	×	◎
Ethanol	◎	×	×	◎
IPA	×	×	×	○
Butanol	×	×	×	○
Acetone	○	○	○	○
MEK	○	×	×	×
Propyleneglycol monomethylether	◎	○	◎	◎

◎ : Over 5 times, ○ : Over 1 time, × : Insoluble