

P-Series Processing Aids for Polyvinyl Chloride Specification

| TYPE | Grade | Bulk Density (g/cm ³) | Moisture (%) | Transparency | Gelation | Foaming | Metal Release |
|------|--------|-----------------------------------|--------------|--------------|----------|---------|---------------|
| PA | P-101 | 0.40 ↑ | 1.0 ↓ | ●●● | - | - | ●●● |
| | P-1000 | 0.40 ↑ | 1.0 ↓ | ●●●○ | - | - | ●●●●● |
| | P-201 | 0.40 ↑ | 1.0 ↓ | ●●●●● | ●●●●○ | ● | - |
| | P-220 | 0.40 ↑ | 1.0 ↓ | ●●●●● | ●●●● | ● | - |
| | P-251 | 0.40 ↑ | 1.0 ↓ | ●●●●● | ●●●●● | ● | - |
| | P-301 | 0.40 ↑ | 1.0 ↓ | ●●●● | ●●●○ | ●●● | - |
| | P-302 | 0.40 ↑ | 1.0 ↓ | ●●●● | ●●● | ●●●● | - |
| | P-701 | 0.40 ↑ | 1.0 ↓ | ●●●● | ●●○ | ●●●●● | - |

Test method : 1. Bulk Density : ASTM D-1895.

Performance : ●●●●● > ●●●●○ > ●●●● > ●●●○ > ●●● > ●● > ●

Impact Modifier for Engineer Plastics Specification

| TYPE | Grade | Appearance | Bulk Density (g/cm ³) | Moisture (%) | Average Grain Diameter (μm) | Particle Size (+35 mesh) | Particle Size (-325 mesh) |
|-------------------------|-------|--------------|-----------------------------------|--------------|-----------------------------|--------------------------|---------------------------|
| K-series (Silicon type) | K-210 | White Powder | 0.30 ↑ | 0.6 ↓ | 250~350 | 10% | < 2% |

| TYPE | Grade | Appearance | Bulk Density (g/cm ³) | Moisture (%) | Average Grain Diameter (μm) | Low temp I-zod impact (kg/cm-cm) | MI (g/10min) |
|---------------------------|-------|--------------|-----------------------------------|--------------|-----------------------------|----------------------------------|--------------|
| E-series (Butadiene type) | E-622 | White Powder | 0.30 ↑ | 1.0 ↓ | 250~350 | ≥ 50 | 9~12 |

Test method : 1. Bulk Density : ASTM D-1895.

2.I-zod impact:ASTM D-256.

3.MI:ASTM D1238.

Caustic Soda Specification

| TYPE | Grade | Sodium Hydroxide(%) | Sodium Carbonate(%) | Sodium Chloride(ppm) | Sodium Sulfate(ppm) | Iron (ppm) | Mercury (ppm) |
|--------------|--------|---------------------|---------------------|----------------------|---------------------|------------|---------------|
| CAUSTIC SODA | LIQUID | 49.0~50.0 | 0.1 ↓ | 100 ↓ | 25 ↓ | 8 ↓ | 0.1 ↓ |
| | FLAKES | 98.0 ↑ | 0.2 ↓ | 300 ↓ | 60 ↓ | 10 ↓ | 0.1 ↓ |
| | PEARLS | 99.0 ↑ | 0.4 ↓ | 300 ↓ | 60 ↓ | 8 ↓ | 0.1 ↓ |

Application and Properties

| TYPE | Grade | Properties | Application |
|------|--------|--|--|
| PA | P-101 | Lubrication type. | Used for exterior lubricant. |
| | P-1000 | High efficiency lubrication type. | Used for high polymer material exterior lubricant. |
| | P-201 | General type. | Used for rigid, semi-rigid calender, extruded, blow-molded, injection-molded, and second-processed. |
| | P-220 | General type (decreasing precipitation). | Used for rigid, semi-rigid calender, extruded, blow-molded, injection-molded, and second-processed. |
| | P-251 | Excellent gelation type. | Used for soft, rigid, semi-rigid calender, heat shrinkable film, and injection-molded. |
| | P-301 | High efficiency dispersion type. | Used for rigid, semi-rigid calender, extruded, blow-molded, injection-molded, second-processed, and foam-molded. |
| | P-302 | High efficiency dispersion type. | Used for rigid, semi-rigid calender, extruded, blow-molded, injection-molded, high filler, vacuum-molded, and foam-molded. |
| | P-701 | Ultrahigh molecular weight type. | Used for rigid, semi-rigid calender, high filler, vacuum-molded, and foam-molded. |

Packages :

1. Jumbo Bag : 500 KG packed in jumbo bag with pallet, containerized ship.

2. 25 KG bags : 25 KG paper bag.

Application and Properties

| TYPE | Grade | Properties | Application |
|-------------------------|-------|--|---|
| K-series (Silicon type) | K-210 | Excellent impact strength at room temperature and low temperature. weather resistance. | Used in engineer plastics (PC、PC alloy) . |

| TYPE | Grade | Properties | Application |
|---------------------------|-------|--|--|
| E-series (Butadiene type) | E-622 | Good thermal stability, excellent impact resistance at low temperature for engineering plastics resin. | It's efficient to increase impact resistance at low temperature for engineering plastics resins (such as PC, PC/ABS). It's able to improve the compatibility and dispersion of PC and ABS in PC/ABS resin. |

Packages :

1. Jumbo Bag : 400 KG packed in jumbo bag with pallet, containerized ship.

2. 20 KG bags : 20 KG paper bag with laminated (without pallet).

Application and Properties

| TYPE | Grade | Properties | Application |
|--------------|--------|---------------------------------------|--|
| CAUSTIC SODA | LIQUID | Colorless, alkaline and corrosive. | Used in the manufacture of alumina, pulp and paper, textiles, water treatment, soaps and detergents. |
| | FLAKES | White flakes, alkaline and corrosive. | Used in the manufacture of alumina, pulp and paper, textiles, water treatment, soaps and detergents. |
| | PEARLS | White pearls, alkaline and corrosive. | Used in the manufacture of alumina, pulp and paper, textiles, water treatment, soaps and detergents. |

Packages :

1. 98% CS-F : 25 KG PP woven bag with PE inner bag.

2. 99% CS-P : 25 KG PE bag or 50 POUND KRAFT (PAPER) bag (US only).