

## PAPER & PACKAGING

### BINDERS FOR GRAPHICAL PAPER, BOARD AND PACKAGING

CHP 204	CHP 210	CHP 215	CHP 111
<b>Polymer:</b> Styrene Acrylate	<b>Polymer:</b> Styrene Acrylate	<b>Polymer:</b> Styrene Acrylate	<b>Polymer:</b> Vinyl Acetate Acrylate
<b>Characteristics</b>	<b>Characteristics</b>	<b>Characteristics</b>	<b>Characteristics</b>
<b>Tg:</b> 10 °C	<b>Tg:</b> -20 °C	<b>Tg:</b> 20 °C	<b>Tg:</b> 15 °C
<b>Solids:</b> 50 %	<b>Solids:</b> 50 %	<b>Solids:</b> 50 %	<b>Solids:</b> 50 %
<b>pH:</b> 7	<b>pH:</b> 4	<b>pH:</b> 7	<b>pH:</b> 7
<b>Food Contact Compliance:</b> BfR, FDA, GB	<b>Food Contact Compliance:</b> BfR, FDA	<b>Food Contact Compliance:</b> BfR, FDA, GB	<b>Food Contact Compliance:</b> BfR, FDA, GB
<b>Special features:</b> Excellent all-around binder for offset and rotogravure printing Excellent PE adhesion	<b>Special features:</b> Superior print quality with rotogravure and UV flexo techniques	<b>Special features:</b> Superior surface properties and print quality, Superior surface strength, dry and wet, Excellent PE adhesion	<b>Special features:</b> Excellent print quality with water based flexo printing and ink jet, Excellent optical properties, Fast ink setting, High stiffness
<b>Application:</b> Packaging paper and board, Graphical papers	<b>Application:</b> Packaging paper, Graphical papers, Labels	<b>Application:</b> Packaging paper and board, Graphical papers	<b>Application:</b> Packaging paper and board, Graphical papers

CHP 119	CHP 113 IQ
<b>Polymer:</b> Vinyl Acetate Acrylate	<b>Polymer:</b> Vinyl Acetate Acrylate
<b>Characteristics</b>	<b>Characteristics</b>
<b>Tg:</b> 15 °C	<b>Tg:</b> 15 °C
<b>Solids:</b> 50 %	<b>Solids:</b> 50 %
<b>pH:</b> 7	<b>pH:</b> 7
<b>Food Contact Compliance:</b> BfR	<b>Food Contact Compliance:</b> BfR, FDA
<b>Special features:</b> Good blister resistance in HSWO printing, Excellent optical properties, Fast ink setting, High stiffness	<b>Special features:</b> Especially suitable for HS Inkjet printing with dye based inks, Minimal color to color bleed and mottling, Improved compatibility with cationic additives
<b>Application:</b> Packaging paper and board, Graphical papers	<b>Application:</b> Packaging paper and board, Graphical papers, digital

## PAPER & PACKAGING

### BARRIER PRODUCTS TO REPLACE PLASTICS AND FLUOROCHEMICALS

CHP BAR 2000	CHP BAR 3000	CHP BAR 2000 C	CHP BAR 3000 C
<b>Characteristics</b>	<b>Characteristics</b>	<b>Characteristics</b>	<b>Characteristics</b>
<b>Solids:</b> 50 %	<b>Solids:</b> 50 %	<b>Solids:</b> 50 %	<b>Solids:</b> 50 %
<b>pH:</b> 7-8,5	<b>pH:</b> 7-8,5	<b>pH:</b> 7-8,5	<b>pH:</b> 7-8,5
<b>Viscosity:</b> can be adjusted	<b>Viscosity:</b> can be adjusted	<b>Viscosity:</b> can be adjusted	<b>Viscosity:</b> can be adjusted
<b>Food Contact Compliance:</b> BfR, FDA, GB	<b>Food Contact Compliance:</b> BfR, FDA, GB	<b>Food Contact Compliance:</b> BfR, FDA, GB	<b>Food Contact Compliance:</b> BfR, FDA, GB
<b>Special features:</b> superior mineral oil migration resistance, Superior grease resistance, Good water resistance and WVTR	<b>Special features:</b> Excellent water resistance, Superior grease resistance, Good WVTR, Good creasability, Heatsealable	<b>Special features:</b> superior mineral oil migration resistance, Superior grease resistance, Good water resistance and WVTR	<b>Special features:</b> Excellent water resistance, Superior grease resistance, Good WVTR, Good creasability, Heatsealable
<b>Coating:</b> On-line & off-line	<b>Coating:</b> On-line & off-line	<b>Coating:</b> Converters	<b>Coating:</b> Converters

### RHEOLOGY MODIFIERS AND DISPERSANTS

CHP 701	CHP 713	CHP 804	CHP 805
<b>Polymer:</b> Acrylamide-acrylate	<b>Polymer:</b> Acrylate	<b>Polymer:</b> Sodium salt of polycarboxylic acid	<b>Polymer:</b> Ammonium salt of polycarboxylic acid
<b>Characteristics</b>	<b>Characteristics</b>	<b>Characteristics</b>	<b>Characteristics</b>
<b>Solids:</b> 16 %	<b>Solids:</b> 30 %	<b>Solids:</b> 44 %	<b>Solids:</b> 39 %
<b>pH:</b> 8,5	<b>pH:</b> 5	<b>pH:</b> 7-9	<b>pH:</b> 7-9
<b>Food Contact Compliance:</b> BfR, FDA	<b>Food Contact Compliance:</b> BfR, FDA, GB	<b>Food Contact Compliance:</b> BfR, FDA	<b>Food Contact Compliance:</b> BfR, FDA
<b>Special features:</b> Exceptionally viscous under high shear, Superior runnability via blade load control	<b>Special features:</b> Alkali swellable polymer, Excellent water retention, High thickening effect at low dosage rate	<b>Special features:</b> Anionic dispersing agent, ideal for kaolin clay and calcium carbonate, Ammonium free	<b>Special features:</b> Anionic dispersing agent, ideal for kaolin clay and calcium carbonate
<b>Application:</b> Rheology modifier for packaging paper and board graphical papers, paints & coatings	<b>Application:</b> Rheology modifier for packaging paper and board graphical papers, paints & coatings	<b>Application:</b> Dispersing agent for coating color pigments, paints & coatings, pigment slurries	<b>Application:</b> Dispersing agent for coating color pigments, paints & coatings, pigment slurries