# Most Popular Sheetfed and Heatset Wax Compound Products

**Sheetfed Wax Compounds** for optimal rub-resistance, slip and gloss-retention.

<table>
<thead>
<tr>
<th>Product</th>
<th>Polymer Type</th>
<th>Non-volatiles (%)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KBW-TF100 (Top Flite 100)</td>
<td>Polyethylene</td>
<td>96-100</td>
<td>Excellent rub resistance, good gloss retention.</td>
</tr>
<tr>
<td>KBW-PY1 (Polytech)</td>
<td>Polyethylene</td>
<td>96-100</td>
<td>Higher density wax blend for excellent rub and scuff resistance.</td>
</tr>
<tr>
<td>KBW-5568D (CC-5568)</td>
<td>Polyethylene/PTFE</td>
<td>96-100</td>
<td>Easy to use PTFE/poly cpd. Contains ~50% PTFE</td>
</tr>
<tr>
<td>KBW-PY500 (Polytech 500)</td>
<td>Polyethylene/PTFE</td>
<td>96-100</td>
<td>Poly/PTFE compound with excellent rub and slip.</td>
</tr>
</tbody>
</table>

**Heatset Wax Compounds** for optimal slip, gloss-retention, and rub.

<table>
<thead>
<tr>
<th>Product</th>
<th>Polymer Type</th>
<th>Non-volatiles (%)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KBW-TH1 (Thermol 1)</td>
<td>Microcrystalline Blend</td>
<td>74-80</td>
<td>Good gloss retention and rub resistance.</td>
</tr>
<tr>
<td>KBW-TH3 (Thermol 3)</td>
<td>Microcrystalline Blend</td>
<td>96-100</td>
<td>Increases viscosity and structure of the ink. Good slip, high solids.</td>
</tr>
<tr>
<td>KBW-6819 (CC-6819)</td>
<td>Microcrystalline Blend</td>
<td>68-72</td>
<td>Good heat and rub resistance, with high gloss retention.</td>
</tr>
<tr>
<td>KBW-6578D (CC-6578D)</td>
<td>Microcrystalline/PTFE</td>
<td>96-100</td>
<td>Easy to use PTFE/Micro. cpd. Contains ~50% PTFE</td>
</tr>
</tbody>
</table>

**Micronized Dry Powders** for inks and coatings.

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Average particle size (µm)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KBW-3000P</td>
<td>Micronized Polyethylene Wax</td>
<td>5</td>
<td>Excellent rub resistance, good gloss retention. Imprintable</td>
</tr>
<tr>
<td>KBW-3010P</td>
<td>Micronized Polyethylene Wax</td>
<td>8</td>
<td>Excellent rub resistance, good gloss retention. Imprintable</td>
</tr>
<tr>
<td>KBW-3500P</td>
<td>Micronized PTFE Powder</td>
<td>5</td>
<td>Improves, rub, scratch, chemical, and heat resistance.</td>
</tr>
</tbody>
</table>
Product Description
KBW-TF100 is formulated to provide consistent wax particle size and outstanding efficiency in rub resistance. KBW-TF100 is effective on non-porous substrates and in low VOC formulations.

Performance Characteristics
• Excellent rub resistance
• Good gloss retention
• Overprintable and foil stampable

Usage Recommendation
3 – 6%

Physical Properties
% Non-Volatile: 96 – 100%
Vehicle Type: Vegetable Oil
Polymer Type: Polyethylene
Technical Data Sheet

KBW-PY1

POLYTECH®

100% Solids, High Performance Polyethylene S.F. Compound

Product Description
KBW-PY1 is a concentrated formulation providing excellent rub, slip and gloss at reduced usage levels. KBW-PY1 will out perform most sheetfed polyethylene compounds.

Performance Characteristics
• Excellent rub resistance and slip
• Excellent gloss retention
• Excellent set speed
• Overprintable and foil stampable

Usage Recommendation
3 – 5%

Physical Properties
% Non-Volatile: 96 – 100%
Vehicle Type: Vegetable Oil
Polymer Type: Polyethylene

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Technical Data Sheet

KBW-5568D
CC-5568D
PTFE/Wax Blend Compound

Product Description


Performance Characteristics

- Excellent rub resistance
- Good gloss retention
- Overprintable and foil stampable

Usage Recommendation

3 – 5%

Physical Properties

<table>
<thead>
<tr>
<th>% Non-Volatile:</th>
<th>96 - 100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer Type:</td>
<td>PTFE/Polyethylene</td>
</tr>
<tr>
<td>Appearance:</td>
<td>Off-White Yellow Paste</td>
</tr>
</tbody>
</table>

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Kustom Group ● 3 Carbon Way ● Richwood, KY 41094 ● www.kustomgroup.com
Technical Data Sheet

KBW-PY500
POLYTECH 500
100% Solids, High Performance PTFE/Polyethylene Wax Compound

Product Description
POLYTECH 500 contains a blend of low coefficient of friction (COF) high performance polyethylene/PTFE in compound form. This proprietary mixture will provide a smooth, scuff resistant finish to the printed film. Recommended for sheetfed applications.

Performance Characteristics
- Outstanding rub resistance
- Good gloss retention
- Effective on non-porous substrates and in low VOC formulations
- Excellent set speed

Usage Recommendation
3 - 5%

Physical Properties

<table>
<thead>
<tr>
<th>% Non-Volatile:</th>
<th>96 - 100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer Type:</td>
<td>PTFE/Polyethylene</td>
</tr>
</tbody>
</table>

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Technical Data Sheet

KBW-TH1
Thermol 1
Heatset Microcrystalline Wax Compound

Product Description

KBW-TH1 is a Kustom proprietary microcrystalline wax blend compound for use in providing slip to a printed ink film. KBW-TH1 is a “Low Pepper” compound exhibiting a high level of heat resistance during the manufacturing process.

Performance Characteristics

• Suited for heatset and news inks
• Good slip in a printed ink film

Usage Recommendation

4 – 8%

Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Amber/Brown creamy paste</td>
</tr>
<tr>
<td>Vehicle Type</td>
<td>Petroleum distillate</td>
</tr>
<tr>
<td>Polymer Type</td>
<td>Microcrystalline Blend</td>
</tr>
<tr>
<td>% Non-Volatile</td>
<td>74 - 80%</td>
</tr>
</tbody>
</table>

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Technical Data Sheet
KBW-TH3
Thermol 3
Heatset Microcrystalline Wax Compound

Product Description
KBW-TH3 is a proprietary microcrystalline wax blend compound. KBW-
TH3 is specifically formulated to increase viscosity and structure in typical
heatset ink formulations.

Performance Characteristics
• Enhances viscosity and structure in the ink
• Good slip in a printed ink film
• Suited for heatset and news inks

Usage Recommendation
4 – 8%

Physical Properties
Appearance: Tan creamy paste
Vehicle Type: Petroleum distillate
Polymer Type: Microcrystalline Blend
% Non-Volatile: 96 - 100%

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REVISED: 01/26/2016
Technical Data Sheet

KBW-6819
CC-6819
Microcrystalline Wax Compound

Product Description
KBW-6819 is a proprietary blended wax compound for use in heatset and news inks. KBW-6819 is a “Low Pepper” compound exhibiting a high level of heat resistance during the manufacturing process.

Performance Characteristics
• Suited for heatset and news inks
• Good slip in a printed ink film

Usage Recommendation
4 – 8%

Physical Properties
<table>
<thead>
<tr>
<th>Appearance:</th>
<th>Amber/Brown creamy paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle Type:</td>
<td>Petroleum distillate</td>
</tr>
<tr>
<td>Polymer Type:</td>
<td>Microcrystalline</td>
</tr>
<tr>
<td>% Non-Volatile:</td>
<td>68 - 72%</td>
</tr>
</tbody>
</table>

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Technical Data Sheet
KBW-6578D
CC-6578D
High Solids PTFE Heatset Compound

Product Description
KBW-6578D is a 50% PTFE wax compound which can be used alone or in conjunction with other polyethylene or microcrystalline wax compounds. This product is designed for easy of mixing and is recommended for “mix and filter” manufacturing.

Performance Characteristics
- Excellent rub resistance
- Good gloss retention
- Good Slip Properties

Usage Recommendation
1 – 5%

Physical Properties
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Active</td>
<td>~50%</td>
</tr>
<tr>
<td>% Non-Volatile:</td>
<td>92 - 94%</td>
</tr>
<tr>
<td>Polymer Type:</td>
<td>PTFE/Microcrystalline</td>
</tr>
<tr>
<td>Vehicle Type:</td>
<td>Ink oil</td>
</tr>
<tr>
<td>Appearance:</td>
<td>White Paste</td>
</tr>
</tbody>
</table>

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Kustom Group ● 3 Carbon Way ● Richwood, KY 41094 ● www.kustomgroup.com
Technical Data Sheet

KBW-3000P
Micronized Poly Wax Powder

Product Description
KBW-3000P is a polyethylene wax powder which offers excellent rub and scratch resistance for use in most oil base and energy cure printing inks and coatings. Excellent choice when imprintability or coatability properties are required. For optimum rub, use in conjunction with our PTFE powder, KBW-3500P.

Performance Characteristics
- Stirs in with minimal mixing
- Imprintable
- Effective for use in most inks and coatings.

Usage Recommendation
Paste inks: 1 – 2%
Flexo ink/Coatings: 2 – 3%

Physical Properties
<table>
<thead>
<tr>
<th>Appearance and Color</th>
<th>White micronized powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSC Melt Point</td>
<td>~114°C</td>
</tr>
<tr>
<td>Density</td>
<td>~0.96</td>
</tr>
<tr>
<td>Particle Size</td>
<td>5 – 7 (µm)</td>
</tr>
</tbody>
</table>

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Kustom Group ● 3 Carbon Way ● Richwood, KY 41094 ● www.kustomgroup.com
Technical Data Sheet
KBW-3010P
Micronized Poly Wax Powder

Product Description
KBW-3010P is a slightly larger particle size polyethylene wax powder which offers excellent rub and scratch resistance for all kinds of printing inks and coatings. Excellent choice when imprintability or coatability properties are required. For optimum rub, use in conjunction with our PTFE powder, KBW-3500P.

Performance Characteristics
- Imprintable
- Effective for use in most inks and coatings.
- Easily mixed in on high speed mixer and or normal canning pass over a 3-roll mill.

Usage Recommendation
Paste inks: 1 – 2%
Flexo ink/Coatings: 2 – 3%

Physical Properties
<table>
<thead>
<tr>
<th>Appearance and Color</th>
<th>White micronized powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSC Melt Point</td>
<td>~114°C</td>
</tr>
<tr>
<td>Density</td>
<td>~0.96</td>
</tr>
<tr>
<td>Particle Size</td>
<td>7 – 9 (µm)</td>
</tr>
</tbody>
</table>

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Technical Data Sheet

KBW-3500P
Micronized PTFE Powder

Product Description
KBW-3500P is a white micronized discrete particle PTFE powder. KBW-3500P has been designed to provide the ultimate in slip and rub properties for improved performance in most high end inks and coatings. Use in combination with KBW-3000P polyethylene wax powder to maximize rub and abrasion resistance.

Performance Characteristics
- Improves rub, abrasion and scratch resistance
- Improves slip and lubricity to reduce sticking and blocking.
- Better chemical resistance
- Increased temperature resistance
- Effective for use in most inks and coatings.

Usage Recommendation
Paste inks: 0.5 – 3%
Flexo ink/Coatings: 0.5 – 1.0%

Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and Color</td>
<td>White micronized powder</td>
</tr>
<tr>
<td>DSC Melt Point</td>
<td>~325°C</td>
</tr>
<tr>
<td>Density</td>
<td>2.1 – 2.2</td>
</tr>
<tr>
<td>Particle Size</td>
<td>3.5 – 5 (µm)</td>
</tr>
</tbody>
</table>

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