Radglo® C-09

General information

General description:
- Ultra-violet responsive fluorescent pigments for water- and non polar solvent based formulations.
- A dyed/pigmented thermoplastic sulphonamide-melamine-paraformaldehyde resin.

Applications:
- UV Blue tracer for aqueous paper coating, water and non-polar solvent based paints and textile printing inks.

Product features
- Radglo® C-09 is relatively invisible in normal daylight, but produces a highly visible and vibrant blue color upon exposure to ultra-violet or “black” light.
- Popular for security and tracing applications like counterfeit protection, product identification and process automation.
- For aqueous formulations, the use of preservatives is recommended. The right preservative package (combination of bactericides and fungicides) should provide reliable, highly effective control of microorganisms in the intended formulation.

Technical information

<table>
<thead>
<tr>
<th>Physical properties</th>
<th>Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivery form</td>
<td></td>
</tr>
<tr>
<td>Average particle size</td>
<td>± 3 µm</td>
</tr>
<tr>
<td>Hegman grind</td>
<td>5.0 - 6.0</td>
</tr>
<tr>
<td>Melting point</td>
<td>110 - 130°C</td>
</tr>
<tr>
<td>Decomposition T°</td>
<td>&gt;300°C</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.35 - 1.40 g/ml</td>
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<tr>
<td>Bulking value</td>
<td>0.25 g/ml</td>
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<tr>
<td>Oil absorption</td>
<td>60</td>
</tr>
</tbody>
</table>

Processing
- Heat stability: Limited
- Solvent resistance: Recommended use in water, aliphatic and some aromatic hydrocarbons.
- Pigments are insoluble and need to be dispersed (easily stir-in).
- Adding Radglo® C-09 (UV Blue) will purify the color and will increase the UV-response.

Standard colors:

<table>
<thead>
<tr>
<th>Product name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-09</td>
<td>UV Blue</td>
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</tbody>
</table>

Packaging:
- 1 box = 20kg (2x10kg)
- MOQ = 20kg

Storage & shelf life:
120 months when kept in closed original packaging in a dry place at ambient temperature.

Safety & regulatory:
REACH compliant.
Safety Data Sheet and Regulatory Status (RS) available on request.

Do you need more technical & commercial information? Please consult Product Promotion Sheet.

(1)Test methods and Certificate of Analysis (COA) available on request.

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