BLACK PEARLS® 120

BLACK PEARLS® 120 is a general purpose low color pigment black suitable for a broad range of tinting applications. Easy to disperse, this economical pigment black can allow higher loadings in most systems.

Application Information
Printing Inks
BLACK PEARLS 120 offers very blue undertone and high loading opportunities as well as excellent rub resistance, good viscosity and flow properties. It is a general-purpose pigment black that is broadly applicable in a variety of different printing inks.

Plastics
BLACK PEARLS 120 is a cost effective opacifying agent for film applications requiring low weatherability. It is also recommended for smooth surface utility pipe.

Coatings
BLACK PEARLS 120 can be used in a variety of coatings applications. It is recommended for underbody/underhood automotive, general industrial, or architectural trade sales applications where high jetness is not required. It is also recommended for use as a tinting black since the large particle size allows for high loading and helps to reduce problems with floating and flooding in liquid coating tinting applications. It can be dispersed using a high speed disperser or sandmill for liquid coatings or a single screw extruder for powder coatings.

Other Applications
In addition to the applications listed above, this product is commonly used as a pigment in Concrete & Cement, General Dispersions, and Paper applications.

The dispersability of BLACK PEARLS 120 depends on the equipment used and the formulation. Like most low color pigment blacks, it exhibits the same ease of dispersion because of its relatively large particle size.

BLACK PEARLS 120 is a pelleted pigment black with a typical bulk density of 510 kg/m³ (32 lb/ft³). It is also available in an easier to disperse powdered form as MONARCH® 120.

Performance Comparison to Other Low Color Pigment Blacks

![Performance Comparison Table]

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Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iodine number (mg/g)</td>
<td>30</td>
<td>ASTM D-1510</td>
</tr>
<tr>
<td>QAN (cc/100g)</td>
<td>65</td>
<td>ASTM D-2414</td>
</tr>
<tr>
<td>Tint (%)</td>
<td>58</td>
<td>ASTM D-3265</td>
</tr>
<tr>
<td>325 Mesh residue (ppm)</td>
<td>&lt;200</td>
<td>ASTM D-1514</td>
</tr>
<tr>
<td>Moisture as packed (%)</td>
<td>&lt;1.0</td>
<td>ASTM D-1509</td>
</tr>
<tr>
<td>Density (kg/m³)</td>
<td>510</td>
<td>ASTM D-1513</td>
</tr>
</tbody>
</table>

Standard Packaging Options

<table>
<thead>
<tr>
<th>Bag</th>
<th>Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25 kg paper</td>
<td>50 lb poly</td>
</tr>
<tr>
<td>IBC</td>
<td>1,100 kg, 200 cm</td>
<td>2,000 lb, 200 cm</td>
</tr>
<tr>
<td>Bulk</td>
<td>Available</td>
<td></td>
</tr>
</tbody>
</table>

Performance improves from chart center.

Film

Opacity

Dispersability

Weatherability

BLACK PEARLS 120
BLACK PEARLS 160
BLACK PEARLS 3030
BLACK PEARLS 4040
BLACK PEARLS 4060

MSDS

Material Safety Data Sheets are available from all Regional Sales Offices. The location of the nearest Sales Office can be found below.

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