**Crysol® 6512**  
Aqueous polyurethane dispersion

**Technical Data Sheet**

Name: Crysol® 6512  
Revision Date: 2017-12-18

**Product Description**

*Crysol® 6512* is an aliphatic, hydroxyfunctional polyurethane dispersion that is used as a binder for the formulation of soft-feel coatings, especially suitable for the plastic shell of mobile phones, laptops, mouse or other electronic products.

Biocide: CMIT/MIT 3:1 49ppm, and MIT 100ppm.

**Properties**

1. Soft feel.
2. Outstanding wear resistance.
3. Excellent adhesion.
4. Good durability.

**Characteristic data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Translucent to milky white</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight Solids</td>
<td>48±1</td>
<td>%</td>
<td>WHPU/T011-571-2017</td>
</tr>
<tr>
<td>pH</td>
<td>7.5-9.5</td>
<td></td>
<td>GB 6920-1986</td>
</tr>
<tr>
<td>Viscosity</td>
<td>50-1000</td>
<td>mPa-s</td>
<td>Brookfield,LV,63#,100rpm,25°C</td>
</tr>
<tr>
<td>OH%, to solid</td>
<td>1.5</td>
<td>%</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>1.04</td>
<td>g/cm³</td>
<td>GB/T4472-2011</td>
</tr>
</tbody>
</table>

*These properties are typical but do not constitute specifications.

**Storage**

The product should be stored in dry condition between 5~35°C with the integrity of the packaging, and prevented from direct sunlight. The validity of this product is for 6 months, performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. It is suggested to filter before application and use up once the package is open.
Crysol® 6512

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