TECHNICAL DATA SHEET

PRODUCT DESCRIPTION
CUMAR® 130 is a thermoplastic low molecular weight, hydrocarbon resin produced by catalytic polymerization of predominantly indene and other aromatic monomers.

APPLICATIONS / END USES
- Adhesives and Sealants
- Solvent Based Adhesives
- Construction Adhesives
- High Solids Solvent-Borne and Epoxy-Based Coatings
- Asphalt Modifications
- Aluminum Paints
- Enhanced Wetting of Pigments and Fillers
- Improved Resistance to Acids and Alkalis
- Hydrophobic-Improved Moisture Resistance
- Good Thermal Stability
- Low Molecular Weight
- Light Color
- Improves Leafing and Brilliance
- Low VOC and Odor

ATTRIBUTES / BENEFITS

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>Test Method</th>
<th>Typical Value</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Softening Point, R&amp;B °C</td>
<td>ASTM E28</td>
<td>130</td>
<td>130 ± 5</td>
</tr>
<tr>
<td>Gardner Color (50% in 100 Solvent)</td>
<td>ASTM D1544</td>
<td>10</td>
<td>12 Max</td>
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<tr>
<td>Specific Gravity @ 25°C</td>
<td>ASTM D71</td>
<td>1.08</td>
<td>N/A</td>
</tr>
<tr>
<td>Brookfield Viscosity @ 160°C, cps.</td>
<td>ASTM D3236</td>
<td>22,800</td>
<td>N/A</td>
</tr>
<tr>
<td>Molecular Weight, No. Avg., GPC Mn Mw</td>
<td>ASTM D5296</td>
<td>780, 1,800</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance</td>
<td>Visual</td>
<td>Amber</td>
<td></td>
</tr>
</tbody>
</table>

PACKAGING: CUMAR 130 Resin is shipped in 50 lb. (22.7 kg.) bags or super sacks.

TSCA Status: Neville Chemical certifies that all components of this product are on the TSCA Inventory.

FDA STATUS: CUMAR 130 Resin is an approved substance as defined by the following United States Food and Drug Administration regulations:

175.105 Adhesives
175.300 Resinous and Polymeric Coatings
176.170 Components of Paper and Paperboard in Contact with Aqueous & Fatty Foods
176.180 Components of Paper and Paperboard in Contact with Dry Food
177.1210 Closures with Sealing Gaskets for Food Containers
177.2600 Rubber Articles Intended for Repeated Use
178.3800 Preservatives for wood

The formulator must comply with all other requirements of the FDA regulations, including conditions of use and extractive tolerances of the total compound or formula.

Revised: November 18, 2019