



# Product Data Sheet

Rev. 12/09

## UNICLEAR® 100 Specialty Polymeric Gellant

UNICLEAR® 100 is a solid, light colored resin for use as a gellant with low-polarity organic liquids designed for use in air care applications including air fresheners and candles. The weight average molecular weight is about 5000.

| Properties                                   | Typical Properties |
|--|--------------------|
| Softening Point °C, Ring & Ball, ASTM E28-99 | 92                 |
| Color, Gardner, ASTM 6166                    | 2                  |
| Acid Number, ASTM D803, D65, and D 1980      | 13                 |
| Amine Number, ASTM D2073 and D2074           | 0.8                |
| Density (g/cc) @ 25°C, ASTM D1475            | 0.99               |

|                                    |  |
|------------------------------------|--|
| <b>Hot Melt Stability</b>          | Molten resin may be exposed to air for up to 12 hours at 100°C (212°F) without increasing in color, but nitrogen blanket is essential for longer molten storage residence times.   |
| <b>Packaging</b>                   | Resin is available in pastille form in multi-wall bags, 44 lbs net.  |
| <b>DOT Shipping Classification</b> | Non-hazardous.   |
| <b>Handling &amp; Storage</b>      | Resin is soft at room temperature, compacting may occur during storage. To minimize compacting the resin should be stored in closed bags, pallets should not be stacked, and room temperature or below should be maintained. As with many resins, oxidation may occur over time resulting in a darkening of the product.<br><br>Blooming within the resin is a normal phenomenon found during long term storage. It happens when small amounts of residual stearyl alcohol migrate out to the polymer surface, resulting in an appearance of white powdery film on the surface. It has no influence on the performance of the product. |



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