

**Polycin® M-280 LC**  
Preliminary Technical Data Sheet



**Product Identification**

Polycin® M-280 LC is a 100% solids, low color, castor oil-based derivative designed for use as a polyol in polyurethane coating systems. Polycin® M-280 LC, having a high level of reactivity, will impart hardness and strength into polyurethane systems. When used as a reactive diluent, it will deliver the beneficial properties of castor oil derivatives, such as improved flow and levelling.

**Physical Properties**

| <u>Property</u>             | <u>Typical Value</u> |
|-----------------------------|----------------------|
| Acid Value                  | 1                    |
| Appearance                  | clear liquid         |
| Color, Gardner              | 0.5 - 1.5            |
| Density, lbs./gal, 25°C     | 8.24                 |
| Equivalent Weight           | 200                  |
| Functionality               | 4                    |
| Hydroxyl Value              | 280                  |
| Moisture, %                 | 0.02                 |
| Non-Volatile, %             | 100                  |
| Specific Gravity, 25°C/25°C | 0.990                |
| Viscosity, cP @ 25°C        | 1,250                |

**Applications**

- Formulation of 100% solids high performance polyurethane coatings
- Low VOC, UV resistant, 2-component industrial maintenance coatings and thermosetting OEM coatings
- Property improvements such as hardness, adhesion, moisture resistance, and chemical resistance in coatings, adhesives, sealants and elastomeric formulations
- Low VOC force dry and bake topcoats and primers for plastics and metal
- Highly durable rigid urethane moldings and castings
- VOC reduction in coatings, adhesives and sealants
- Urethane Intermediates, Polymers

For toxicity or regulatory information please consult the Material Safety Data Sheet.

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