

# Polycin M-280

## Technical Data Sheet



### Product Identification

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

### Physical Properties

<b>Property</b>	<b>Value</b>
Acid Value	1
Appearance	Pale yellow liquid
Color, Gardner	3 – 4, typical
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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