

Polycin™ M-280

polyol for coatings and adhesives

product information

Polycin M-280 is a solventless, castor oil-based derivative designed for use as a polyol or viscosity modifier in polyurethane coating systems. Polycin M-280 will impart higher hardness and strength, and as a reactive diluent, Polycin M-280 provides VOC reduction along with the beneficial properties of castor oil derivatives, such as improved hydrophobicity, flow and levelling.

application background

- Formulation of high solids polyurethanes
- Coatings, adhesives, sealants and elastomeric formulations
- Low VOC, UV resistant industrial maintenance coatings
- Force-dry bake topcoats
- Primers for plastics and metals
- Highly durable rigid urethane moldings and castings

performance benefits

- Moisture resistance based on hydrophobic nature
- High hardness and strength
- Improves direct and reverse impact strength
- Excellent gloss retention and chemical resistance
- Enhance adhesion
- Biodegradable and renewable source

typical characteristics

Form	Pale, yellow liquid
Equivalent Weight	200
Functionality	4
Hydroxyl Value	280
Viscosity, cP @ 25°C	1,385
Acid Value	5 maximum
Gardner Color	6 maximum
Specific Gravity, 25°C/25°C	0.989
Moisture, %	0.05 maximum
Non-Volatile, %	100

Consult the Safety Data Sheet for hazard and regulatory information

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Revised 14-May-24



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technical data sheet