
Product Identification

Polycin® 12 BIO is a 100% solids castor oil based polyol. It is a tetra-hydroxy ester, with primary and secondary hydroxyl groups, capable of producing high strength polyurethane compositions. Stringent processing techniques make this derivative appropriate for medical sealant and coating applications.

Physical Properties

Property	Typical Value
Acid Value	3
Appearance	Pale amber liquid
Color, Gardner	5
Density, lbs./gal, 25°C	8.31
Equivalent Weight	175
Functionality	4
Hydroxyl Value	320
Moisture, %	0.03
Non-Volatile, %	100
Specific Gravity, 25°C/25°C	0.999
Viscosity, cP @ 25°C	3,000

Applications

- Formulation of 100% solids polyurethane sealants and coatings
- Property improvements such as; hardness, adhesion, moisture resistance, and chemical resistance in coatings, adhesives, sealants, and elastomeric formulations
- VOC and viscosity 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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