

COPOLYMER® 186
Technical Data Sheet



Product Identification

Copolymer® 186 is a drying oil copolymer derived from castor oil. It is designed to produce vehicles with outstanding properties and performance, not by cooking, but by simply mixing with resins at room temperature (cold blending).

Physical Properties

<u>Property</u>	<u>Value</u>
Form	Clear amber liquid
Acid Value	8
Color, Gardner	7
Density, lbs./gal, 25°C	8.05
Flash Point, COC, °F	450
Gel Time @ 600°F, minutes	16
Iodine Value	128
Non-Volatile, %	100
Pour Point, °F	-30
Refractive Index	1.5044
Saponification Value	166
Specific Gravity, 25°C/25°C	0.968
Viscosity, Gardner	Z-7

Applications

- Specifically designed for the preparation of varnishes by the cold cut method
- Excellent drying speed, toughness, unexcelled durability, fresh and salt water resistance
- Eliminates the need for a heated reactor, eliminating the 3 to 10% volatile loss associated with cooking
- Avoids the darkening which usually results from cooking
- Reduces product variability
- Improves long package stability

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

Information contained in this technical data sheet is believed to be accurate. Vertellus Performance Materials Inc. assumes no liability and makes no warranty or representation that the information is correct or complete and EXPRESSLY DISCLAIMS ALL REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Final determination of suitability of any material and issues of patent infringement is the sole responsibility of the user who alone knows the conditions of intended use. Our customers should ensure that any product incorporating a Vertellus ingredient is safe for its intended use pursuant to applicable law and that any necessary disclosures to consumers have been made.