

#40 Oil - Polymerized Castor Oil

Technical Data Sheet



Product Identification

Oxidative polymerization of castor oil at the double bond yields products with increased viscosities and decreasing solubility in aliphatic solvents, increasing compatibility with various resins and improved ability to wet and disperse pigments while imparting solvent and abrasion resistance to lacquer systems. The polymerized oils are used to plasticize a variety of resins in adhesive and sealant systems, inks and hot melts. The heavier viscosity polymerized oils are processing aids and plasticizers for rubber polymers, imparting oil and solvent resistance.

Physical Properties

<u>Property</u>	<u>Value</u>
Acid Value	13
Color, Gardner	16
Density, lbs./gal, 25°C	8.49
Hydroxyl Value	135
Iodine Value	63
Pour Point, °F	50
Saponification Value	225
Specific Gravity, 25°C/25°C	1.020
Viscosity, 25°C, Stokes	940
Volatile, %	0.1

Applications

- Plasticizers for cellulose and elastomers in adhesives, sealants and gasket compounds
- Adhesives, sealants and gasket compounds
- Plasticizing reactants (polyol) for flexible urethane foams
- Adds plasticizing and adhesive qualities to lacquers, marking inks, hot melts and tackifiers

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

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