

Pale 4 – Blown Castor Oil

Technical Data Sheet



Product Identification

These non-drying castor polymers, commonly known as blown oils have increasing viscosities resulting from oxidative and crosslink polymerization at the double bonds and hydroxyl groups.

Oxidative polymerization of castor oil 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

Property	Value
Acid Value	15
Color, Gardner	3
Density, lbs./gal, 25°C	8.30
Fire Point, COC, °F	590
Flash Point, COC, °F	420
Hydroxyl Value	157
Iodine Value	69
Pour Point, °F	5
Refractive Index	1.4795
Saponification Value	212
Specific Gravity, 25°C/25°C	0.998
Viscosity, 25°C, Stokes	32
Volatile, %	0.3

Applications

- Adhesives, caulks and sealants
- Water fighters, inks, lubricants
- Lacquer plasticizers, polishes, rubber compounding
- Hydraulic fluids, tack rags, leather dressing, gasket cements

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

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