



MPL Products
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Blown Castor Oil - 30 Poise Product Data Sheet

GENERAL INFORMATION

The non-drying castor oil, 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.

SPECIFIC PROPERTIES

No.	Test Parameter	Unit	Method	Specification 30 Poise
1	Colour in Gardner Scale	G	AOCS Td 1a-64	10 max
2	Acid Value	mgKOH/g	AOCS Cd 3d-63	12 max
3	Iodine Value (Wij's method)	gI ₂ /100g	AOCS Tg 1a-64	60 – 75
4	Saponification Value	mgKOH/g	AOCS Cd 3-25	190 – 220
5	Viscosity at 25 deg C.	Stock/Poise	Brookfield	25 – 35
6	Specific Gravity at 25 deg C	--	AOCS Cc 10a-25	0.985 – 1.01

ADVANTAGES AND APPLICATIONS

- ❖ Adhesives,
- ❖ caulks and sealants
- ❖ Water fighters,
- ❖ Inks and lubricants
- ❖ Lacquer plasticizers,
- ❖ Polishes and rubber compounding
- ❖ Hydraulic fluids.

PACKAGING

200 kg Barrel, 1000 kg IBC Tank