

SAVOX PE 1000F (POLYETHYLENE WAX)

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PRODUCT DESCRIPTION

Savox PE 1000F is a Polyethylene wax in flakes form and is a fully saturated Homopolymer of ethylene. This has a high degree of linearity and crystallinity. It has excellent heat stability and resistance to chemical attack. The melt viscosity is low which is necessary for easy processing. Savox PE 1000F wax is soluble in solvent such as benzene, xylene, toluene, cyclohexane, decalin chloromethane, and carbon tetrachloride. Additionally, the wax can also be dispersed in organics solvent and oil up to approximately 25 % by weight. The fine dispersion obtained may be in coating and ink formation.

TECHNICAL PARAMETERS

PROPERTIES	UNIT	METHOD	SPECIFICATION	TYPICAL DATA
DROP MELTING POINT	°C	ASTM D -127	100 -120	112
FLASH POINT	°C	ASTM D -92	185 Min	190
DENSITY AT 25°C	g/cc	IP-190	0.93 Max.	0.92
ACID VALUE	mg	ASTM D -974	Nil	Nil
NEEDLE PENETRATION AT 25°C	dmm	IP-376	5 Maximum	4
VISCOSITY AT 140°C	cSt	ASTM D-445	20 to 60	40

Packing Size 25 Kgs, Flakes form

PRODUCT APPLICATIONS

- ✓ works as a processing aid (at 0.5% to 5% use level) for thermoplastics such as polyethylene, polypropylene, and polystyrene. It may also be used as an antilocking agent in thermoplastic elastomer processing. It also acts as a lubricant and release agent for engineering resins.
- ✓ improves rub, mar and slip resistance characteristics for ink and coating applications.
- ✓ finds application in hot melt adhesive formulation for increasing solidification point and improvement in rheology.
- ✓ finds applications in formulation of cable filling compounds to impart dimensional stability and prevent oil bleeding.
- ✓ can also be used to improve the properties of low-grade paraffin wax by blending in small quantities.

SAVITA OIL TECHNOLOGIES LTD

Reg office address: 66/67, 6th floor, Nariman Bhavan, Nariman Point, Mumbai, INDIA. Pin 400021.

Contact: Tel: +91-22-22883061, 66246200;

E mail(India): plsadmin@savita.com ; Email (Others): ibdexports@savita.com; website: www.savita.com

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