



Technical Data Sheet

OnWax® Oxidized PE Wax EC629PW

Introduction: This oxidized, high viscosity, high melting point polyethylene wax is suitable for PVC production and useful in textile and petrochemical industries.

Synonyms	Polyethylene Wax; Oxidized; Ethene; homopolymer; Oxidized Polyethylene
CAS No.	68441-17-8
EINECS No.	614-498-8
Molecular Formula	C ₁₂ H ₂₀ O
Molecular Weight	244.287

Typical Properties

Test	Unit	Specification	Test Method
Appearance	-	Powder	Visual
Color	-	Pale Yellow or white	Visual
Melting Point	°C	93.0 – 103.0	ASTM D87
Penetration	dmm	Max 6.0	ASTM D1321
Viscosity @ 140°C	cps	<100.0	ASTM D445
Density @ 25 °C	g/cm ³	0.93 -0.95	ASTM D1505
Acid Value	mg KOH/g	16.0 - 20.0	ASTM D1386

Packaging

25 Kgs kraft bag

Applications:

- The products have a certain polarity, have better compatibility with most resin. They are very suitable for PVC profiles, pipe and stabilizer because they have high viscosity, high crystallinity and acid which has obvious prompt effect for plasticizing
- Increase drop point and improvement of release effect and surface gloss in Paraffin compounding and Candles industry
- Water based emulsion for textile softener. Slip agent and abrasion prevention in aqueous printing inks. Mould release agent and Citrus fruit coating
- Paper sizing agent, moisture proof agent and surface-finishing agent
- Insulation of pipe in petrochemical industry
- Holt melt additives

Storage

Store in a cool, dry and well-ventilated place

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