

Environmental Resin Bulletin

ER 125 Resin

Principal Applications

Printing Inks (Gravure, Letterpress, Heatset, Newsink)
Paints and Stains
Protective Coatings

Properties

Viscosity (35°C, 50% solids, Magie 52)	5,000-15,000 cPs
Softening Point (ASTM E28-92)	120-125°C 248-257°F
Ash (ASTM D-271-70 M)	0.03% Typical 0.10% Max. Guaranteed
Moisture (AGC Method)	0.2-0.5% Typical 0.7% Max. Guaranteed
Penetration (25°C, 100 gm, 5 sec.)	0
Specific Gravity	1.04
Acid No.	<3
Color In Mass	Black

Typical Particle Sizing (ASTM (E11-70))

	% Retained (Cumulative)	
	Flake	Pulverized
+ 4 mesh	90	--
+ 10 mesh	--	--
+ 35 mesh	--	0.2
+ 65 mesh	--	2.0
+ 100 mesh	--	8.0
+ 150 mesh	--	--
+ 200 mesh	--	35.0

SOLUBILITY

ER 125 Resin is readily soluble without heating in aromatic solvents (Benzene, Toluene, Xylene) and in most

chlorinated solvents. It is also soluble without heating in aliphatic and low aromatic solvents (VM&P and other Napthas, Ink Oils and Mineral Spirits), but mixing time is longer. Without heating, the pulverized grade is recommended.

Films developed from ER 125 Resin have a dark color with little bronzing effect. Solutions do not thicken upon aging. ER 125 Resin is compatible with drying oils, vegetable oils, rosins, hydrocarbon resins, elastomers, asphalts, and waxes for specialty applications. It has limited solubility in most alcohols and ketones.

PACKAGING

ER 125 Resin is available in 50 lb. and 25 kilo net multi-ply paper bags, which may be palletized and stretch wrapped. It is also available in a variety of bulk bag sizes.

HEALTH & SAFETY

ER 125 Resin is derived from Gilsonite, a naturally occurring hydrocarbon. There is no known history of dermatitis, lung disease or other health problems associated with handling of Gilsonite as supplied. Dusts are subject to combustion. Normal precautions used with flammable materials apply.

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