

H-1474 Flame-Retardant Curing Agent

Product Description

H-1474 is an acidic polyester resin that rapidly expands and foams when exposed to heat. It reacts with amino resins to form a cured film that undergoes rapid carbonization and expansion under high temperatures. This process effectively isolates oxygen and heat transfer, providing a fire-resistant and flame-retardant protective barrier for the substrate. As an environmentally friendly, halogen-free liquid flame retardant, H-1474 can be used independently as a flame retardant for plastics and rubber or as a curing agent for amino resin-based fire-resistant coatings.

Features

- Excellent expansion properties
- Fire-resistant and flame-retardant

Physical Characteristics

Property	Unit	Specification
Appearance	-	Viscous, sand-like liquid
Viscosity (25°C)	cps	10,000-20,000
Solid Content	%	82±2
Density (25°C)	kg/L	1.35-1.38
Phosphorus Content (as Phosphoric Acid)	%	≥45

Applications

- Curing agent for water-based transparent fireproof coatings
- Flame retardant for paper, plastics, and other materials

Precautions

1. Store in a sealed container; avoid contact with water during storage.
2. Conduct a compatibility test before mixing with other resins.

Storage & Packaging

1. Store in a cool, dry, and well-ventilated area at a temperature range of 5°C-35°C.
2. Keep in a sealed container. If not used completely, ensure the lid is tightly closed.
3. Packaging: Available in 50kg/barrel and 200kg/barrel.
4. Shelf Life: 12 months from the date of production.