

BPO Paste — Standard Grade

STANDARD

A standard, cost-effective benzoyl peroxide paste hardener for everyday polyester, vinyl ester and acrylic curing.

TECHNICAL DATA

- Chemical: Dibenzoyl Peroxide (BPO) paste
- Empirical formula $C_{14}H_{10}O_4$ · Molecular weight 242.2 g/mol · CAS 94-36-0
- Dibenzoyl peroxide content: 50%
- Active oxygen: 3.3%
- Appearance: creamy paste · Odour: almost odourless
- Insoluble in water · pH: acidic
- SADT: 50°C
- Recommended storage temperature: 5–25°C
- Standard white/lightly beige; also available in red, blue and red-brown (visual mixing guide)

USE & APPLICATIONS

- Polymerization initiator and curing agent for vinyl, acrylic, styrene and unsaturated polyester / vinyl ester resins, used with an accelerator (usually amine)
- Test on the actual compound before use
- Application areas: car repair, marine, marble & stone, wood, industrial processes

PACKAGING

Tubes, jars, pails, carton box, drums (LDPE/HDPE polyethylene).

SAFETY & STORAGE

- Store in original containers, away from flammables, heat, sparks, flames and direct sunlight
- Keep away from reducing agents, amines, strong acids/bases, accelerators & promoters, copper/heavy metals, driers and rust
- Store 5–25°C; high temperature decomposes it; freezing damages the emulsion
- Rotate stock, oldest first (FIFO); never store with food or beverages