
TECHNICAL DATA BULLETIN

Appearance: Red-orange powder

Description: Bright Dyes® Copper E-P is a metal-free dye which will produce varying shades resembling the color of a new or clean penny.

Operating Parameters

Tank:	Polypropylene, plastic, or stainless steel
Water type:	Deionized or reverse osmosis preferred
Concentration:	1 – 4 g/L
Buffering:	0.5 – 1.0% Bright Dyes® 6000 Liquid Buffer
pH:	5.5 – 6.2 (Raise with ammonium hydroxide, lower with acetic acid)
Temperature:	110 – 140° F
Time:	2 – 10 minutes
Other:	Agitation recommended to maintain uniform bath temperature Rinse parts thoroughly before dyeing to avoid drag-in

Recommended Sealing Methods

- Bright Dyes® HT-70
- Bright Dyes® MT-90

Light Fastness: 4 – 5

Storage and Safety

- Store in a cool, dry location; avoid moist environments
- May cause irritation and some staining if allowed to contact skin. The use of gloves and goggles is recommended when handling this product. Consult the MSDS for more information.

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