Solvent Blue 78



Solvent Blue 78 (C.I. 61500) is a highly transparent, reddish-blue oil-soluble solvent blue dye. It is insoluble in water but exhibits excellent solubility in esters, ketones, aromatics, and oil-based resins, delivering high color saturation and outstanding transparency. With superior heat and light resistance, it ensures minimal color variation and exceptional stability.

Basic Features

High-Clarity Coloring for Premium Transparent Plastics

Designed for exceptional transparency without hazing, this dye is specifically tailored for light-luxury transparent plastics, miniature optical components, premium cosmetic casings, and light-transmitting decorative parts. It maintains crystal clarity even when molded at high temperatures of 235°C, making it the premier choice for a clear, reddish-blue hue that stands out from standard dark blue dyes.

Premium Coloring for Flexible Packaging & Leather Inks

Specially formulated for high-grade synthetic leather and laminated soft films. It delivers pure, transparent coloring without any muddy or gray undertones. The printed finish boasts high gloss and uniform color, with excellent resistance to color migration or bleeding under long-term lamination, making it ideal for premium packaging and leather surface coloring.

Color Matching for Light-Luxury Resin Art

Unlike standard dark blues that can appear dull, this dye features a vibrant red-blue undertone. Epoxy resin crafts finished with it exhibit a highly transparent, dewy appearance with a premium aesthetic. It is perfect for customizing clear blue and violet-blue shades for light-luxury jewelry, artistic ornaments, and transparent resin

crafts.

Coloring for Fine Craft Waxes
Delivers a clean, brilliant color that remains free from whitening or cloudiness upon cooling. It creates a highly transparent, gemstone-blue wax effect, perfectly suited for the production of premium aromatherapy candles and cultural sealing waxes.

Precision Industrial Oil-Based Coloring
Ideal for high-end oil tracing, transparent aluminum coloring, and the formulation of fine oil-based marking fluids. With its highly accurate hue and clean color rendering, it is perfectly suited for industrial precision coloring applications that demand strict color consistency.



Technical Specifications

CAS No.? 2475-44-7

Density:1.27–1.37 g/cm³

Short-term Heat Resistance: 235?

Lightfastness: Grade 5-6

Acid Resistance Grade:4-5

Tinting Strength: 95%–105% (Compared to standard sample)

Water-soluble Content: ?1.0%

This solvent is compatible with various industrial dyes, and it performs exceptionally well in dissolving the fluorescent indicator Rhodamine B dye.



Contact person: Miss Jessie Geng

Email:jessie@xcwychem.com

Mobilephone/Whatsapp: +86-13503270825

Product link：https://www.xcwydyes.com/solvent-blue-78.html