Solvent Blue 58



Solvent Blue 58 ?C.I. 617043?is an anthraquinone-based, heat-resistant oil-soluble solvent blue dyes. It is highly compatible with high-temperature plastics and weather-resistant ink systems, exhibiting excellent color stability during high-temperature processing and ensuring consistent color matching in mass production.

Basic Features

Dedicated to High-Temperature Transparent Plastics (Core Application):
Leveraging its high thermal stability, pure green hue, and haze-free advantage, it is ideal for lighting fixtures, transparent cosmetic housings, and premium decorative plastics. It remains free from blackening, reddish cast, or fading during high-temperature molding.

Primary Cyan Base for Ink Tinting:
A core colorant for ink manufacturers to formulate green, lake blue, and vintage cyan-gray shades. With a pure green hue and clean tone, it effectively neutralizes unwanted reddish impurities in dyes. It delivers clean printed dots without screen clogging, excellent migration resistance, and no color bleeding when stacked.

Premium Transparent Wood Grain Staining:
Offers exceptional transparency without obscuring the wood grain. Specifically designed for solid wood wiping stains, transparent clear coats, and epoxy resin crafts. It provides a highly transparent, premium finish, avoiding the dull, grayish appearance and grain-blocking issues common with standard blue dyes.

Coloring for High-Temperature Wax & Oil Systems:
Remains undecomposed during high-temperature melting with uniform coloring. The finished surface is free from floating color, blooming, or whitening, offering superior stability compared to standard low-temperature blue dyes.

Premium Transparent Coatings & Color Pastes:
Features a bright and transparent color hue, perfect for high-clarity solid color finishes. It is also excellent for formulating various vintage dark colors and Morandi cool tones.

Versatile Coloring for Fine Chemicals:
Highly compatible with premium fine oil-based coloring scenarios, including oil-based markers, transparent leather recoloring oils, aluminum anodizing, and resin crafts. It ensures minimal batch-to-batch color variation and high stability.



Technical Specifications

CAS No.: 61814-09-3

Density: 1.08 g/cm³

Short-term Heat Resistance: 200? (No decomposition or color deviation during medium to high-temperature injection molding of ABS, PMMA, and PS)

Lightfastness: Grade 5–6

Acid Resistance: Grade 4

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

Water-soluble Content: ?1.0%

This solvent features excellent heat and acid resistance. At room temperature, it efficiently dissolves fluorescent colorants like Rhodamine B dye. With an extremely low water-soluble content, it won't compromise the dye's coloring performance.



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Product link：https://www.xcwydyes.com/solvent-blue-58.html