
Solvent Yellow 21



[Solvent Yellow 21](#) (C.I. 18690) is a cost-effective oil-soluble [solvent yellow dye](#). Completely insoluble in water, it dissolves readily in oil-based solvents such as esters, aromatics, and ketones. With a heat resistance of approximately 200°C, it offers excellent processing stability and minimal batch-to-batch color variation. It is a widely used base yellow dye for coloring budget plastics, inks, waxes, and oils.

Basic Features

Premium Heat-Resistant Masterbatch

Ideal for coloring standard transparent plastic pen barrels, keychains, simple pendants, and storage cases. It resists whitening and blooming during 200°C injection molding and maintains a stable yellowish hue. It can be used alone or blended to create cream and amber yellow shades.

Weather-Resistant Printing Inks

Used in PVC films, synthetic leather, gift packaging, and stationery inks to provide a base yellowish-yellow tone. It delivers a uniform coating with fine halftone dots, making it perfect for high-volume packaging and educational supplies.

Premium Wood Finishes & Resin Casting

Perfect for coloring wooden bookmarks, keychains, and small ornaments while preserving the transparent wood grain. It creates natural light yellow, cream, and amber wood tones without obscuring the substrate's texture, making it ideal for handcrafted woodwork and small-batch custom orders.

High-Temp Oils & Waxes

Suitable for coloring budget aromatherapy, sealing, and decorative waxes, ensuring uniform melt dispersion with minimal floating color upon cooling. It can also be used to

dye light lubricants and fuels for easy grade identification.

Industrial Oil-Based Coloring

Used to formulate yellow highlighter inks, basic shoe polishes, leather restorers, and transparent aluminum coloring solutions. Highly stable at room temperature, it provides a sheer coating that fully preserves the substrate's original texture.



Technical Specifications

CAS No.? 5601-29-6

Density: 1.18 g/cm³

Short-term Heat Resistance: 200?

Lightfastness: Grade 4-5

Acid Resistance: Grade 4

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.



Yeah ! Add Some Color To Your Life ! XCWY Dyes Welcome your contact !

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Product link : <https://www.xcwydyes.com/solvent-yellow-21-2.html>