Solvent Yellow 12



Solvent Yellow 12 (C.I. 12700) is a versatile monoazo oil-soluble solvent yellow dye. Insoluble in water, it dissolves completely in aromatic hydrocarbons, esters, and ketones, forming a clear solution free of precipitated impurities. Highly cost-effective and suitable for low-to-medium temperature processing, it offers excellent batch-to-batch color consistency. As a primary yellow tinting base, it is widely demanded in the market.

Basic Features

Cost-Effective Daily-Use Plastic Masterbatch
Compatible with standard transparent plastics for orange pen barrels, light-transmitting decor, basic cosmetic packaging, and small toys. Remains haze-free at 240°C. Serves as a red-toned primary yellow base for amber and olive shades. Not suitable for high-temperature engineering plastics.

Universal Packaging Inks
For screen and gravure printing on PVC films, laminated packaging, and synthetic leather. Creates a vintage orange base and blends with blue/black dyes for dark composite shades. Ensures smooth printing without clogging and prevents color migration in laminated packaging.

Antique Wood Finishes
Ideal for antique wiping paints on solid wood and small resin crafts. Creates a transparent caramel amber finish that beautifully preserves the natural wood grain.

Fuel Tracing & Decorative Waxes
Used for tracing lubricants and industrial fuels to quickly identify grades. Also for coloring craft and hot-melt sealing waxes, ensuring uniform melt dispersion with no floating color or frosting upon cooling.

Consumer Oil-Based Coloring Products

For marker inks, leather care oils, shoe polish, and transparent orange aluminum anodizing. Compatible with room and medium-temperature oil systems, providing a sheer, transparent color without a heavy, opaque feel.



Technical Specifications

CAS No.? 6370-43-0

Density: 1.22 g/cm³

Short-term Heat Resistance: 240?

Lightfastness: Grade 5-6

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.



Contact person: Miss Jessie Geng

Email:jessie@xcwychem.com

Mobilephone/Whatsapp: +86-13503270825

Product link：https://www.xcwydyes.com/solvent-yellow-12.html