
Solvent Red 18



[Solvent Red 18](#) (C.I. 12714) is a cost-effective monoazo oil-soluble dye. Completely insoluble in water, it forms a clear solution with no impurities or precipitation. It provides an even, soft color without harsh or glaring red tones, and blends seamlessly with various [solvent yellow dyes](#) to create warm, vibrant shades. With low production costs and compatibility with various low-to-medium temperature oil-based processes, it offers excellent batch-to-batch color consistency. It is a widely used primary red tinting base in the market.

Basic Features

Cost-Effective Plastic Coloring

For standard transparent plastics (pens, decor, basic packaging). Haze-free at 235°C. A soft yellowish-red base for vintage brick-red plastics. Not for high-temp engineering plastics.

Flexible Packaging Inks

For PVC films, gift bags, and synthetic leather. Delivers a vintage light red base with fine dots and zero color migration under lamination.

Wood & Resin Crafts

For small wood decor and epoxy resin jewelry. Creates a warm, transparent jujube-red finish that preserves the natural wood grain.

Industrial Oils & Waxes

For tracing lubricants and fuel oils. Ideal for craft and sealing waxes, ensuring uniform melt dispersion with no frosting or floating color.

Consumer Oil-Based Care

For marker inks, leather oils, shoe polish, and aluminum anodizing. Compatible with room and medium-temperature systems, providing a sheer, lightweight color.



Technical Specifications

Density: 1.22 g/cm³

Short-term Heat Resistance: 235°

Lightfastness: Grade 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-red-18.html>