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.



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Product link：https://www.xcwydyes.com/solvent-red-18.html