
Solvent Red 242



[Solvent Red 242](#) (C.I. 73300) is a high-performance, thioindigo-based oil-soluble fluorescent [solvent red dyes](#). It features a pristine, clean base tone free from any yellowish haze. With exceptional melt stability, it is a premium colorant specifically designed for high-temperature plastics, weather-resistant inks, and transparent wood grain staining.

This product boasts top-tier fastness to light, heat, and solvents, making it highly suitable for demanding conditions such as long-term display, mild outdoor use, and high-temperature extrusion or injection molding. When blended with [solvent yellow dyes](#), it maintains uniform color performance without offsetting its outstanding fastness metrics. Furthermore, it exhibits minimal batch-to-batch color variation, ensuring superior color matching stability for large-scale manufacturing.

Basic Features

Transparent Wood Grain Staining (Exclusive Core Application): Ideal for transparent wiping oils used on antique wood furniture and raw wood crafts. It provides complete transparency to showcase the natural wood grain, perfect for creating light-luxury wood tones in fluorescent red and pale rose pink.

Thin Films & Composite Packaging Inks: Suitable for PVC decorative films, gift composite labels, and light-tone fluorescent screen printing inks. It ensures no color bleeding under multi-layer lamination, delivering fine dots without screen clogging.

Injection Molding of Small Transparent Hard Plastics: Perfect for transparent cosmetic bottles, translucent decorative ornaments, and small lighting housings. It maintains a transparent, fluorescent texture after medium-temperature injection molding.

Low-Temperature Decorative Waxes & Leather Care Oils: Excellent for craft

decorative candles and light-colored leather recoloring oils, leaving a surface free from red color floating or tackiness after cooling.

Aluminum Anodizing & Oil-based Marker Additives: Ideal for light, transparent fluorescent red anodic dyeing and premium waterproof fluorescent marker inks, delivering a clean color tone without any yellowish impurities.



Technical Specifications

CAS No.: 522-75-8

Density: 1.20 g/cm³

Short-term Heat Resistance: 280? (No decomposition or fluorescence attenuation during high-temperature extrusion and injection molding of PC, PET, Nylon, and ABS)

Lightfastness: Grade 6–7

Acid Resistance: Grade 5

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

Water-soluble Content: ?1.0%

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Product link : <https://www.xcwydyes.com/solvent-red-242.html>