Solvent Orange 105



Solvent Orange 105 ?C.I. 11227?is a highly penetrative, specialized oil-soluble transparent dye. Unlike conventional general-purpose orange dyes, this product is distinguished by its low migration and high penetration properties. Along with solvent yellow dyes,it delivers a clean, premium color tone without any muddiness or dullness.

With a highly stable molecular structure, it is perfectly suited for high-end processes such as resin penetration coloring, thin-film coating, and precision printing. It serves as a highly cost-effective core orange colorant in industrial fine color matching.

Basic Features

Printing Inks: Suitable for high-end solvent-based flexographic, gravure, and screen printing inks. Ideal for fine orange printing on film packaging, electronic labels, metal foils, and premium paper products.

Oils & Waxes Coloring: Excellent for artisanal candles, high-end hot-melt wax products, shoe care polishes, and industrial oil identification coloring. It delivers a clear, warm, and translucent finish, with no issues of color floating or tackiness.

Transparent Coloring for Rubber & Plastics: Ideal for injection molding and extrusion penetration coloring of transparent plastics such as ABS, PS, PMMA, and PC. Perfect for tinting premium plastic accessories, optical components, and transparent housings.

Fine Daily Chemicals & Industrial Additives: Widely applied in precision industrial scenarios, including oil-based markers, high-end leather oil-based finishing agents, resin epoxy glues, insulating oil coloring, and fine aluminum anodizing coloring.



Technical Specifications

CAS No.: 81-64-1

Density: 1.53 g/cm³

Short-term Heat Resistance: 240? (No decomposition or color deviation during high-temperature extrusion and injection molding of PC, ABS, PMMA, and PET)

Lightfastness: Grade 6–7

Acid Resistance: Grade 5

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-orange-105.html