
Solvent Red 1



[Solvent Red 1](#) (C.I. 12150), also known as Sudan Red G, delivers a clear, highly transparent, and vibrant color tone without any dullness. Characterized by stable physicochemical properties, strong acid and alkali resistance, and excellent dissolution uniformity, it is a highly versatile, general-purpose basic [solvent red dye](#).

Driven by its core advantages of high cost-effectiveness, broad system compatibility, and stable processing performance, it, alongside [solvent blue dyes](#), is widely applied in the coloring of plastics, printing inks, coatings, oils, waxes, and fine chemicals. Furthermore, it serves as a fundamental core colorant in industrial color matching for formulating warm reds, orange-reds, and vintage reds.

Basic Features

Printing Inks: Suitable for gravure, screen, and flexographic solvent inks. Widely used for transparent red coloring, delivering uniform color reproduction without mottling.

Oils & Waxes Coloring: Excellent for coloring industrial lubricants, fuel identification oils, artisanal candles, hot-melt waxes, and premium shoe polishes. Delivers a clear, warm, and translucent finish, with no color floating or tacky residue.

Transparent Coloring for Rubber & Plastics: Specially designed for transparent plastics such as PS, ABS, PMMA, PC, SAN, and RPVC. Perfect for coloring transparent plastic accessories, stationery, and optical components.

Fine Daily Chemicals & Industrial Additives: Versatile applications in oil-based marker inks, resin epoxy glues, leather oil-based finishing agents, insulating oil coloring, and laboratory acid-base indicators.



Technical Specifications

CAS No.: 1229-55-6

Density: 1.12 g/cm³

Short-term Heat Resistance: 220? (No decomposition or color deviation during conventional injection molding of PS, ABS, and PMMA)

Lightfastness: Grade 5

Acid Resistance: Grade 4

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

Water-soluble Content: ?1.0%

Yeah ! Add Some Color To Your Life ! XCWY Dyes Welcome your contact !

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Product link : <https://www.xcwydyes.com/solvent-red-1.html>