Solvent Red 196



Solvent Red 196 (C.I. 45430), commonly known in the industry as Fluorescent Red BK, is a high-performance oil-soluble fluorescent solvent red dyes. Its core highlight is the bright fluorescent blue-red glow it exhibits upon dissolution.

Appearing as a deep red crystalline powder with a melting point of 247°C, it features an exceptionally heat-resistant molecular structure. Compatible with solvent yellow dyes for custom color blending, it is specifically engineered for high-load processing of engineering plastics, such as high-temperature extrusion and injection molding. Delivering a highly transparent and luminous color effect, it is the primary colorant for transparent fluorescent red products. It is the preferred choice for high-aesthetic plastic components, including electronic housings, translucent lighting fixtures, and cosmetic packaging.

Basic Features

Coloring of Various Transparent Engineering Plastics (Core Application): Compatible with PS, ABS, PC, PMMA, PVC, Nylon PA, and PBT for injection molding and extrusion. Ideal for transparent cosmetic bottles and jars, translucent decorative lighting, transparent electronic housings, and stationery ornaments, delivering a highly luminous and transparent fluorescent red effect.

Premium Fluorescent Inks: Suitable for solvent-based screen printing and gravure fluorescent inks. Widely used in gift packaging, cultural and creative stickers, and warning sign printing. It delivers a strong fluorescent glow and high translucency after printing, with clean dots and no screen clogging.

High-Temperature Process Waxes & Industrial Oils: Excellent for high-temperature resistant decorative candles, hot-melt encapsulation waxes, and equipment fluorescent identification lubricants. The fluorescence remains stable after high-temperature melting, and the surface is free from any red color floating after cooling.

Premium Transparent Decorative Coatings: Perfect for craft epoxy glues, high-gloss transparent wood topcoats, and plastic gloss clear coats. It creates a highly transparent fluorescent red finish, ideal for coating trendy toys and light-luxury decorative components.

Fine Chemical Auxiliary Coloring: Versatile for precision applications requiring a highly luminous and transparent red hue, including oil-based fluorescent markers, high-gloss leather recoloring oils, and fluorescent aluminum anodizing coloring.



Technical Specifications

CAS No.: 52372-36-8

Density: 1.34 g/cm³

Short-term Heat Resistance: 300? (No decomposition or color fading during high-temperature extrusion and injection molding of PC, PET, Nylon, and ABS)

Lightfastness: Grade 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-196.html