

FA-401CU

Water-based Flame Retardant

FA-401CU is a highly efficient cyclic phosphate ester flame retardant with high phosphorus content and good water solubility. After treatment, fabrics exhibit excellent flame retardancy and resistance to washing. It demonstrates remarkable flame-retardant properties and can be used in combination with water-based acrylic and water-based PU resins. FA-401CU is especially suitable for flame retardant treatment of polyester fabrics, and polyester/natural fiber blended fabrics, making it applicable for automotive interior fabrics, curtain fabrics, and specialty workwear.

Features:

- Liquid water-solubility, excellent compatibility with water-based acrylic and water-based PU resins, and easy to use.
- High thermal stability, minimal impact on the fabric's feel after treatment.
- Excellent wash durability, maintaining the original color of the fabric after washing.
- Low volatility, good solubility with most polymer compounds.
- Halogen-free, compliant with international environmental regulations such as ROHS and REACH.

Technical Data:

項目	單位	數值
Appearance	--	Light Yellow Transparent Liquid
Viscosity(25oC)	cps	100~300
Specific Gravity	g/cm ³	1.1~1.3
ph	--	1.5~2.5
Solid Content	%	>93.0

Package

- Available in 20-kg/drum.

Values included in this data sheet are based on limited laboratory test specimens. These values are typical values and are not meant to be used for setting maximum or minimum values for specification purposes. Any determination of the suitability of the materials shown in this property data sheet for use by the end user is the sole responsibility of the user, who must assure themselves that the material as subsequently processed meets the need of his particular product or use. To the best of our knowledge the information in this publication is accurate and reliable, USI does not assume any liability whatsoever for the accuracy of this information.

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