

Diamond DSC60

Cyan Disperse Dye Aqueous Dispersion

PERFORMANCE COATINGS

PRODUCT DESCRIPTION

Based on the high-quality inkjet grade dye DISPERSE BLUE 60, DSC provides vibrant, long-lasting colours and good printability. Having been stabilised utilising Diamond’s dispersing technology, this tried and tested dispersion is also extremely stable and easy to formulate.

PHYSICAL CHARACTERISTICS*

Appearance	Blue liquid
C.I Reference	Disperse Blue 60
Dye solids content (%)	16 ±0.5
pH	6.0 - 8.0
Viscosity (mPas) at 25°C & 60 rpm	<10
Surface Tension at 25°C (mN/m)	35-45
Average mean particle size (nm)	<150
100% particles less than (nm)	<500
Conductivity at 25°C (µS)	<1500
Lightfastness (blue wool scale)	7



* Property values represent typical results only and are not to be considered specifications.

TYPICAL APPLICATIONS

	Highly recommended	Recommended	Not recommended
Sublimation inks for polyester	x		
Direct to fabric inks for polyester	x		
Direct to fabric inks for poly/cotton blends		x	
Direct to fabric inks for cotton			x

Starting point formulation for a sublimation ink for an Epson DX5 print head

DSC60	33%
Glycerol	15%
Triethylene glycol	8%
Surfynol 465	0.4%
Deionised water	43.6%

Notes for use

Always combine colourless components of ink formulation, and add them to the dispersion slowly, whilst stirring. Adding the dispersion to the ink vehicle could cause it to shock, rendering the product unusable.

SHELF LIFE/STORAGE

Store out of direct sunlight, and at temperatures between 5°C and 40°C. Do not allow the dispersion to freeze.

Recommended re-test date (RRD) is 1 year from the date of manufacture.

REGULATORY STATUS

Please see the product's current safety data sheet, SDS, for regulatory information. You can request an SDS at <https://www.diamonddispersions.com/contact/>

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