SP-1300HV

Diazo Type Direct Emulsion

MURAKAMI CO., LTD.
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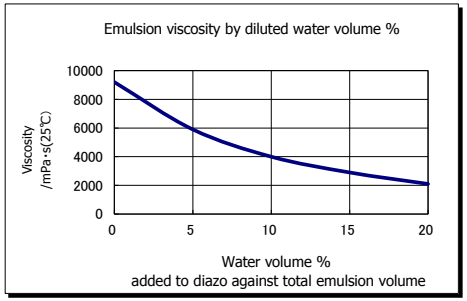
URL http://www.murakami.co.jp/english/index.html

Features/Application

- Best suited for fine line graphic images, transfer paper applications
- **Excellent resistance to water and superior durability**
- Consistent emulsion thickness profile over the mesh, Lower Rz value
- Good adhesion to screen mesh
- Wider exposure latitude
- Recommended for printing with water based inks and pastes
- Suitable for T-shirt, Textiles and wider range of printing applications

Specifications

- Viscosity: Approx. 9,000mPa·s(25℃)
- Solid Contents: Approx. 39%
- Packaging Standards: 1kg set, 5kgs set
  ※Contact us for custom packaging.



Exposure Data

Screen mesh, Color	E.O.M. (μm)	3kW Metal Halide lamp (UV42 Intensity : 12mW/cm2)
Polyester 31/cm (80/inch) W	5	210-240 sec.
Polyester 59/cm (150/inch) W	5	150-180 sec.
Polyester 59/cm (150/inch) W	15	180-210 sec.
Polyester 100/cm (250/inch) Y	15	150-180 sec.

* The above is for guideline purposes only. Please use a grayscale exposure calculator to identify optimal exposure time.

Instructions

- Wash, degrease and dry screen mesh. Remove grease and foreign contaminants with MSP cleanser.
- Dissolve provided diazo with 10% water to emulsion volume. Please do not use warm water.
- Pour diazo solution into emulsion. Mix it well. Prior to a use, let mixed emulsions settle for one day.
- Or for immediate use, filter it with screen mesh 100/cm or higher.
- Coat emulsion slowly in order to prevent air bubbles.
- Dry coated screen completely at temperatures up to 40°C(104°F) before exposure.

【Remarks】

- Keep the mixed emulsion in a cool and UV light safe area. Use mixed emulsion within 2 weeks.
- Recommended to filter remaining emulsion with screen mesh before pouring it back into the container to remove any dust, foreign substances and air bubbles.

Solvent Resistance Rating

Solvent	Rating	Solvent	Rating
Water	Excellent	Turpentine Oil	Excellent
Conventional Solvents	Poor	Citrus based chemicals	Excellent

※24hours swelling/absorption test results.

SEM