

# LP-402ERS

## Rotary Screen Emulsion (Bichromate-Free)



MURAKAMI CO., LTD.

### Application

- Emulsion for textile printing with rotary screen.

### Characteristics

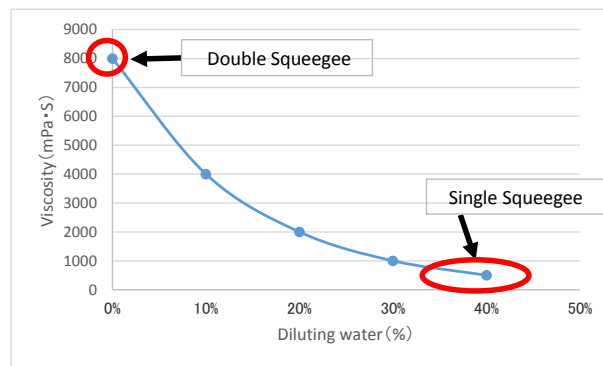
- LP-402ERS is bichromate free, which is safe and good for environment, and also stable for long storage compared with normal bichromate emulsion..
- Applies to laser-engraving process.

### Specification

- Viscosity...apx8000mPa·s(25°C)
- Color...Blue
- Package...5kg set
- ※ Please inquire other size.

#### Viscosity curve

Please refer to it as guideline for



### Resistance

Test Solvent	Evaluation	Test Solvent	Evaluation
Water	◎	Ethylene Glycol Methyl Ether	○
Xylene	○	Cyclohexane	○
Acetone	○	5% Sodium Hydroxide	◎
Ethyl Acetate	○	5% Sulfuric acid	◎
Ethylene Glycol	○	10% chromic acid	○

◎・○ : Good    △ : Fair    × : Not recommended

### Usage

#### <Preparation>

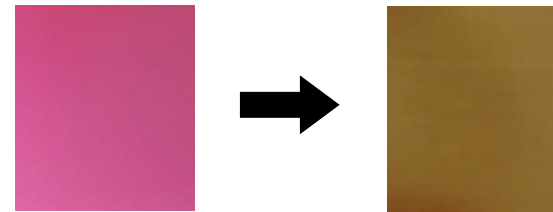
- Control viscosity of LP-402ERS by adding water to emulsion (refer to viscosity curve), then store it at cool and dark places one day or filter it with screen mesh etc. to remove bubbles prior usage.

#### <Making stencil>

- Coat LP-402ERS on a screen slowly not to contain bubbles into screen opening.
- After coating on a rotary screen, dry screen completely with warm air around 40°C (20-40 min.)

#### Heat hardening

- Harden emulsion on the screen with drying chamber at temperature of 180°C for 90-120 minutes, after drying process.
- ※ Heating at low temperature leads to insufficient hardening of emulsion.
- ※ Sufficient heat-hardening will see the Red color of LP-402ERS change into Ocher.



- After taken out from a drying chamber, the coated screen should be cooled down at room temperature.

#### Laser-engraving process

- After cooling, please form the image by laser processing machine.

#### 【Caution】

- LP-402ERS needs to be stored in normal temperature.(10~25°C)
- After use, it's recommended to filter remaining emulsion to prevent foreign particles prior to pour it back to a bottle