ONEPOT DIRECT

SBQ-Photopolymer Direct

MURAKAMI CO., LTD.

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HP : http://www.murakami.co.jp

Feature

- Ultra-highly sensitive emulsion designed for projection camera.
- High chemical resistance and high printing durability.
- Good for DLE(Digital Light Engraver) system.
- Ready to use, no need to mix diazo.

Application

- Use MSP degreasing agent to remove excess grease on mesh.
- Mix emulsion gently and remove bubble before use.
- Viscosity is adjusted both for manual and auto coating.
  Coat slowly for the best quality to avoid air contaminain.
- Dry out the coated screeen by faned warm air at around 40℃.
  Avoid too much of heat for less image distortion.

【Remarks】

- Please filtrate emulsion by mesh fabric for interval use.
- Please store emulsion at cool and dark place.

Specifications

- Viscosity…3500～5500mPa･s(25℃)
- Solid Content…24.5～28.5%
- Sales unit…1kg set ・ 5kg set

Exposure Parameters

Screen Mesh	E.O.M. (μm)	15w chemical lamp×6, distance:30cm Illumination:UV-42sensor 0.2mW/cm2
Polyester150S(bias)W	10	270 ～ 300 sec.
Polyester250T(bias)W	5～7	210 ～ 240 sec.
Polyester300S(bias)W	3～5	150 ～ 180 sec.

※ Use a gray scale calculator to locate the optimized exposure time. Times in seconds shown above are all general guidelines. E.O.M.= Emulsion thickness over the mesh

Chemical resistance

chemicals	evaluation	chemicals	evaluation
water	×	xylene	○
toluene	○	methyl ethyl ketone	△
acetone	△	butyl carbitol acetate	△
ethyl acetate	△	cyclohexanone	△
butyl cellosolve	○		

○ : good △ : maybe usable × : not recommended *24 hours soaking test

Electron Microscope