



Diazo Films

METO[®] DIAZ D-18

METO[®] DIAZ D-18 are advanced diazo photo tools with technical properties beyond common diazofilms used in the pcb industry.

METO[®] DIAZ D-18 diazo films are manufactured especially for ASMETEC on equipment of latest technology.

Unlike silver halide films METO[®] DIAZ D-18 can be handled in room light for brief periods and is processed using ammonia vapours and moderate heat < 65 °C.

METO[®] DIAZ D-18 do absorb little heat during exposing and imaging, thus remain sizes

METO[®] DIAZ D-18 is sensitive to UV/violet radiation (390 nm peak sensitivity). Mercury vapour lamps are typically used for exposure.

A conventional diazo developer (e.g. ASMETEC TEM 22 WP) can be used for processing.

Technical Benefits

- Positive working diazo film
- Filmbase 180 µm modified PE
- Excellent dimensional stability
- Room light use
- Quick and simple exposure and development
- Wide spreaded processing windows
- Retouchable with Kimoto Super-Pake retouching pens
- Very high resolution and edge sharpness
- Hardened image layer for multiple exposures of solvent based liquid resists
- Translucent image for visual registration
- Notch right hand top = emulsion side top (G)
- Soft matting (Type M) for easy processing in vacuum frame and for reducing Newton rings
- Antistatic surface
- Multi laminate, metalized bag exceeds shelf life up to 12 months

METO[®] DIAZ D-18-Types

- **D-18-M:** matted emulsion side, recommended for exposing liquid solder masks
- **D-18-G:** glossy emulsion side, recommended for exposing dry resists

Sizes and Packaging

Size in mm	Sheets per Box
279 x 356	100
356 x 432	100
405 x 508	100
457 x 610	100
508 x 610	100
508 x 660	50
610 x 762	50
Special sizes and rolls on request	

Technical Data (X-rite 369)

Dmax:	> 4,30 UV
Dmin:	< 0.10 UV, < 0,06 visual
Resolution:	> 1 000 lines/mm
Gauge:	180 µm ± 4
Colour:	amber
Shelf life:	approx. 12 months at < 20 °C/ < 50 % rH

For further information please refer to "Product Usage Information METO[®] DIAZ" and "Diazo-film-Technology"

Service

We offer FOC density measuring of customers samples sent to us. The measured data will be transmitted immediately to our customer via e-mail

Accessories

- Retouching pens
- Temperature labels
- Stouffer step wedges
- Diazo developers and spares
- Densitometers and spares
- Hydrometer
- METOCLEAN DTS-Dust-Transfer-Systems
- METOLIGHT UV-lamps and UV filter foils

The above statements are based on our present knowledge. Our statements should not be interpreted as a guarantee of characteristics. The use of our products by our customers is subject to different conditions, therefore none of our customers are relieved of the responsibility of testing our products by themselves. A liability for consequential damage will not be accepted in any case. For damage resulting from the use of this information we can only be held responsible if there is evidence of malice or negligence on our part. This data-sheet replaces any previous data sheets.

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