



January 12, 2021

TOYOBO Printtight KM43GS

| Base | Polymer type | Cover film type | Item code | Hardness (Shore D) | Plate thickness (mm) | Relief Depth (mm) |
|------------|--------------|-----------------|-----------|--------------------|----------------------|-------------------|
| Steel base | K | Plain | KM43GS | 67 | 0.43 | 0.21 |

Image Reproduction

| | |
|----------------------|-------------------|
| Screen Range | 150 lpi (3-95%) . |
| Minimum isolated dot | 100 micron |
| Minimum fine line | 30 micron |

TIPS

1. Storage of TOYOBO PRINTIGHT

(1) Unexposed Plate

To ensure a longer shelf life, store the unexposed plate in a dark room at temperature below 25°C (77°F) and humidity below 65%.

(2) Processed Plate

After printing, when the plate is kept for future use, store it in a sealed polyethylene bag and in a dark room at humidity of 50-70%.

2. CTP imaging

N/A

3. Exposure

| | |
|--------------------------|----------------|
| Type | K |
| Hardness (Shore D) | 67 |
| Required exposure energy | 600-1200mj/cm2 |

Note:

1. Fine lines or fine dots need a longer exposure time.
2. A shorter exposure time gives deeper reverses and sharper half tones.

3. Wash-out

(1) Water temperature: 20 - 25°C (59 - 77°F)

(2) Wash-out time: Actual time could be different due to the type of wash-out unit.

| | |
|----------------------|---------|
| Thickness of plate | 0.43mm |
| Brush type (minutes) | 1-2 min |

(3) Dehydration

It is strongly recommended to dehydrate a washed-out plate by using a sponge roller immediately after wash-out.

4. Drying

| | |
|-----------------------|-------------------------|
| Drying temperature | 60 - 70°C (140 - 158°F) |
| Drying time (minutes) | 10 |

5. Post-exposure

Post-exposure time should be the same or longer than main exposure time.

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