

$p2mg$

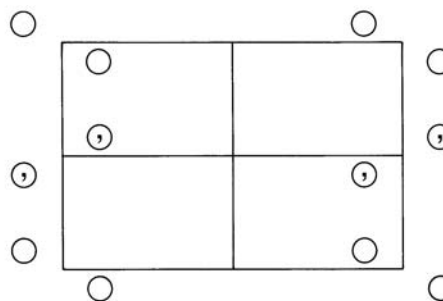
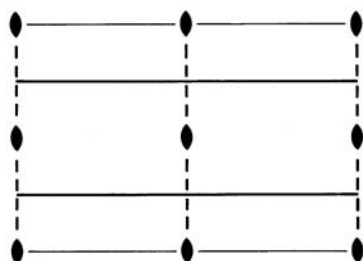
$2mm$

Rectangular

No. 7

$p2mg$

Patterson symmetry $p2mm$



Origin at $21g$

Asymmetric unit $0 \leq x \leq \frac{1}{4}; 0 \leq y \leq 1$

Symmetry operations

(1) 1 (2) 2 $0,0$ (3) $m \frac{1}{4},y$ (4) $a x,0$

Generators selected (1); $t(1,0)$; $t(0,1)$; (2); (3)

Positions

Multiplicity,
Wyckoff letter,
Site symmetry

Coordinates

Multiplicity, Wyckoff letter, Site symmetry	Coordinates
4 d 1	(1) x,y (2) \bar{x},\bar{y} (3) $\bar{x}+\frac{1}{2},y$ (4) $x+\frac{1}{2},\bar{y}$
2 c $.m$	$\frac{1}{4},y$ $\frac{3}{4},\bar{y}$
2 b $2..$	$0,\frac{1}{2}$ $\frac{1}{2},\frac{1}{2}$
2 a $2..$	$0,0$ $\frac{1}{2},0$

Reflection conditions

General:

$h0: h = 2n$

Special: as above, plus

no extra conditions

$hk: h = 2n$

$hk: h = 2n$