

pm

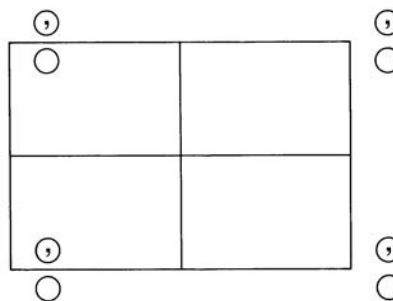
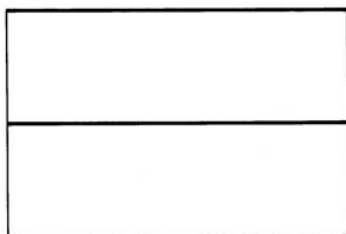
m

Rectangular

No. 3

$p1m1$

Patterson symmetry $p2mm$



Origin on m

Asymmetric unit $0 \leq x \leq \frac{1}{2}; 0 \leq y \leq 1$

Symmetry operations

(1) 1 (2) m 0,y

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

Positions

Multiplicity,
Wyckoff letter,
Site symmetry

Coordinates

Reflection conditions

2 c 1 (1) x,y (2) \bar{x},y

General:

no conditions

Special: no extra conditions

1 b . m . $\frac{1}{2},y$

1 a . m . 0,y

Maximal non-isomorphic subgroups

I [2] $p1$ (1) 1

IIa none

IIb [2] pg ($\mathbf{b}' = 2\mathbf{b}$) (4); [2] cm ($\mathbf{a}' = 2\mathbf{a}, \mathbf{b}' = 2\mathbf{b}$) (5)

Maximal isomorphic subgroups of lowest index

IIc [2] pm ($\mathbf{a}' = 2\mathbf{a}$) (3); [2] pm ($\mathbf{b}' = 2\mathbf{b}$) (3)

Minimal non-isomorphic supergroups

I [2] $p2mm$ (6); [2] $p2mg$ (7)

II [2] cm (5)