

Rectangular

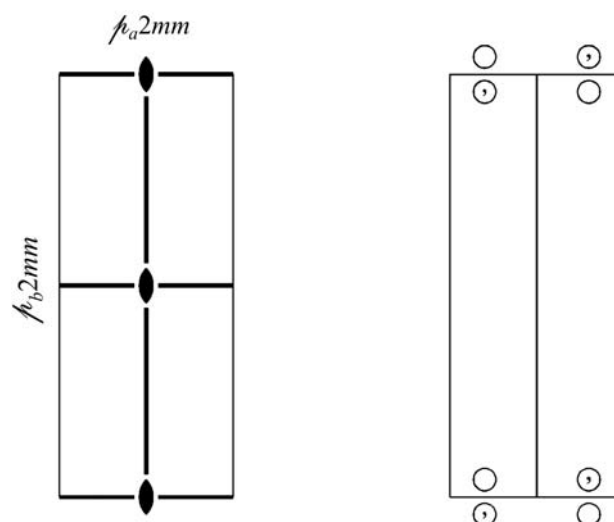
$2mm$

$\mu 2mm$

Patterson symmetry $\mu 2mm$

$\mu 2mm$

No. 6



Origin at $2mm$

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

Symmetry operations

(1) 1 (2) 2 0,0 (3) m 0,y (4) m x,0

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

Positions

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

Reflection conditions

General:

no conditions

Special: no extra conditions

Symmetry of special projections

Along $[10]$ m

Along $[01]$ μm

$\mathbf{a}' = \mathbf{a}$

Origin at $0,y$

Origin at $x,0$

Maximal non-isotypic subgroups

I $[2]\mu 11m$ (4) 1; 4
 $[2]\mu 1m1$ (3) 1; 3
 $[2]\mu 211$ (2) 1; 2

IIa none

IIb $[2]\mu 2mg$ ($\mathbf{a}' = 2\mathbf{a}$) (7)

Maximal isotypic subgroups of lowest index

IIc $[2]\mu 2mm$ ($\mathbf{a}' = 2\mathbf{a}$) (6)

Minimal non-isotypic supergroups

I none

II none