

# 【保温表面温度】



周囲温度	30.0℃
表面熱伝達率	計算によるもの
取付保温材	007,ロック筒

※計算はJISに基いて算出しておりますが、計算結果、および性能を保証値するものではありません。参考値として頂きますようお願いいたします

		表面温度:℃															
計算1	80℃	管温度	厚み	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A	200A	250A	300A
		20t	35.6	35.9	36.2	36.6	36.7	37.0	37.3	37.5	37.8	38.0	38.2	38.4	38.6	38.8	
		25t	34.5	34.7	35.0	35.3	35.4	35.7	36.0	36.1	36.4	36.6	36.8	37.0	37.2	37.3	
		30t	33.7	33.9	34.2	34.4	34.5	34.8	35.0	35.2	35.4	35.6	35.7	36.0	36.1	36.2	
		40t	32.7	32.9	33.1	33.3	33.4	33.6	33.8	33.9	34.1	34.3	34.4	34.6	34.7	34.8	
		50t	32.1	32.3	32.4	32.6	32.7	32.8	33.0	33.1	33.3	33.4	33.5	33.7	33.8	33.9	
		65t	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.5	32.6	32.7	32.8	32.9	33.0	
		75t	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	
		80t	31.3	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	
		90t	31.1	31.2	31.2	31.3	31.4	31.5	31.6	31.6	31.7	31.8	31.9	32.0	32.1	32.2	
100t	31.0	31.0	31.1	31.2	31.2	31.3	31.4	31.4	31.5	31.6	31.7	31.8	31.9	31.9			
計算2	90℃	管温度	厚み	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A	200A	250A	300A
		20t	36.8	37.1	37.5	37.9	38.1	38.4	38.8	39.0	39.4	39.6	39.9	40.2	40.4	40.6	
		25t	35.4	35.7	36.0	36.4	36.5	36.9	37.2	37.4	37.7	37.9	38.1	38.4	38.6	38.8	
		30t	34.5	34.7	35.0	35.3	35.5	35.7	36.0	36.2	36.5	36.7	36.9	37.2	37.4	37.5	
		40t	33.3	33.5	33.7	33.9	34.1	34.3	34.5	34.7	34.9	35.1	35.3	35.5	35.7	35.8	
		50t	32.6	32.7	32.9	33.1	33.2	33.4	33.6	33.7	33.9	34.1	34.2	34.5	34.6	34.7	
		65t	31.9	32.0	32.2	32.3	32.4	32.5	32.7	32.8	33.0	33.1	33.2	33.4	33.6	33.7	
		75t	31.6	31.7	31.9	32.0	32.0	32.2	32.3	32.4	32.6	32.7	32.8	33.0	33.1	33.2	
		80t	31.5	31.6	31.7	31.8	31.9	32.0	32.2	32.2	32.4	32.5	32.6	32.8	32.9	33.0	
		90t	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	
100t	31.2	31.2	31.3	31.4	31.5	31.6	31.7	31.7	31.9	32.0	32.0	32.2	32.3	32.4			
計算3	100℃	管温度	厚み	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A	200A	250A	300A
		20t	37.9	38.3	38.8	39.2	39.5	39.9	40.3	40.6	41.0	41.3	41.5	41.9	42.2	42.4	
		25t	36.3	36.7	37.1	37.5	37.7	38.0	38.4	38.7	39.0	39.3	39.5	39.9	40.1	40.3	
		30t	35.2	35.6	35.9	36.2	36.4	36.7	37.1	37.3	37.6	37.9	38.1	38.4	38.7	38.8	
		40t	33.9	34.1	34.4	34.6	34.8	35.0	35.3	35.5	35.8	36.0	36.2	36.5	36.7	36.8	
		50t	33.0	33.2	33.4	33.6	33.8	34.0	34.2	34.4	34.6	34.8	35.0	35.2	35.4	35.6	
		65t	32.3	32.4	32.6	32.7	32.8	33.0	33.2	33.3	33.5	33.7	33.8	34.0	34.2	34.3	
		75t	31.9	32.0	32.2	32.3	32.4	32.6	32.7	32.8	33.0	33.2	33.3	33.5	33.6	33.7	
		80t	31.8	31.9	32.0	32.2	32.2	32.4	32.5	32.6	32.8	33.0	33.1	33.3	33.4	33.5	
		90t	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.5	32.6	32.7	32.9	33.0	33.1	
100t	31.0	31.0	31.1	31.2	31.2	31.3	31.4	31.4	31.5	31.6	31.7	31.8	31.9	31.9			
計算4	120℃	管温度	厚み	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A	200A	250A	300A
		20t	40.3	40.8	41.4	42.0	42.3	42.8	43.4	43.7	44.3	44.7	45.0	45.5	45.8	46.1	
		25t	38.2	38.7	39.2	39.7	40.0	40.5	40.9	41.3	41.8	42.1	42.4	42.9	43.2	43.4	
		30t	36.8	37.2	37.7	38.1	38.4	38.8	39.2	39.5	40.0	40.3	40.6	41.0	41.3	41.5	
		40t	35.0	35.4	35.7	36.0	36.2	36.6	36.9	37.2	37.6	37.9	38.1	38.5	38.7	38.9	
		50t	34.0	34.2	34.5	34.8	34.9	35.2	35.5	35.7	36.1	36.3	36.5	36.8	37.1	37.3	
		65t	33.0	33.2	33.4	33.6	33.7	33.9	34.2	34.3	34.6	34.8	35.0	35.3	35.5	35.6	
		75t	32.5	32.7	32.9	33.0	33.2	33.4	33.6	33.7	34.0	34.2	34.3	34.6	34.8	34.9	
		80t	32.3	32.5	32.7	32.8	32.9	33.1	33.3	33.5	33.7	33.9	34.0	34.3	34.5	34.6	
		90t	32.1	32.2	32.3	32.5	32.6	32.7	32.9	33.0	33.2	33.4	33.6	33.8	33.9	34.1	
100t	31.8	31.9	32.1	32.2	32.3	32.4	32.6	32.7	32.9	33.0	33.2	33.4	33.5	33.7			
計算5	130℃	管温度	厚み	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A	200A	250A	300A
		20t	41.5	42.1	42.7	43.4	43.7	44.3	45.0	45.3	45.9	46.4	46.8	47.3	47.7	48.0	
		25t	39.2	39.7	40.3	40.8	41.2	41.7	42.2	42.6	43.1	43.5	43.9	44.4	44.7	45.0	
		30t	37.6	38.1	38.6	39.1	39.3	39.8	40.3	40.6	41.1	41.5	41.8	42.3	42.6	42.9	
		40t	35.6	36.0	36.4	36.8	37.0	37.4	37.8	38.0	38.5	38.8	39.1	39.5	39.8	40.0	
		50t	34.4	34.7	35.0	35.3	35.5	35.8	36.2	36.4	36.8	37.1	37.3	37.7	37.9	38.1	
		65t	33.3	33.5	33.8	34.0	34.2	34.4	34.7	34.9	35.2	35.4	35.6	35.9	36.2	36.3	
		75t	32.8	33.0	33.2	33.4	33.5	33.8	34.0	34.2	34.4	34.7	34.8	35.1	35.3	35.5	
		80t	32.6	32.8	33.0	33.2	33.3	33.5	33.7	33.9	34.1	34.3	34.5	34.8	35.0	35.2	
		90t	32.3	32.5	32.6	32.8	32.9	33.1	33.3	33.4	33.6	33.8	34.0	34.2	34.4	34.6	
100t	32.0	32.2	32.3	32.5	32.6	32.7	32.9	33.0	33.2	33.4	33.6	33.8	34.0	34.1			
計算6	140℃	管温度	厚み	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A	200A	250A	300A
		20t	42.7	43.4	44.1	44.8	45.2	45.9	46.5	47.0	47.6	48.1	48.5	49.1	49.6	49.9	
		25t	40.2	40.8	41.4	42.0	42.3	42.9	43.5	43.9	44.5	45.0	45.4	45.9	46.3	46.6	
		30t	38.5	39.0	39.5	40.0	40.3	40.9	41.4	41.8	42.3	42.8	43.1	43.6	44.0	44.3	
		40t	36.3	36.7	37.1	37.5	37.7	38.2	38.6	38.9	39.4	39.8	40.0	40.5	40.8	41.1	
		50t	34.9	35.2	35.6	35.9	36.1	36.5	36.9	37.1	37.5	37.8	38.1	38.5	38.8	39.0	
		65t	33.7	33.9	34.2	34.4	34.6	34.9	35.2	35.4	35.7	36.0	36.2	36.6	36.8	37.0	
		75t	33.1	33.3	33.6	33.8	33.9	34.2	34.4	34.6	34.9	35.2	35.4	35.7	35.9	36.1	
		80t	32.9	33.1	33.3	33.5	33.7	33.9	34.1	34.3	34.6	34.8	35.0	35.3	35.5	35.7	
		90t	32.6	32.7	32.9	33.1	33.2	33.4	33.6	33.8	34.0	34.3	34.4	34.7	34.9	35.1	
100t	32.3	32.4	32.6	32.7	32.8	33.0	33.2	33.4	33.6	33.8	34.0	34.2	34.4	34.6			

※性能を保証するものではありません。

## 【保温表面温度】



周囲温度	30.0°C
表面熱伝達率	計算によるもの
取付保温材	007,ロック筒

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表面温度: °C

計算	管温度	厚み	表面温度: °C													
			15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A	200A	250A	300A
計算1	150°C	20t	43.9	44.7	45.5	46.2	46.7	47.4	48.1	48.6	49.3	49.9	50.3	51.0	51.4	51.8
		25t	41.2	41.8	42.5	43.2	43.6	44.2	44.9	45.3	46.0	46.5	46.9	47.5	47.9	48.2
		30t	39.3	39.9	40.4	41.0	41.4	41.9	42.5	42.9	43.5	44.0	44.4	44.9	45.4	45.7
		40t	36.9	37.3	37.8	38.2	38.5	39.0	39.5	39.8	40.3	40.7	41.0	41.5	41.9	42.2
		50t	35.4	35.8	36.1	36.5	36.7	37.1	37.5	37.8	38.3	38.6	38.9	39.4	39.7	39.9
		65t	34.1	34.3	34.6	34.9	35.1	35.4	35.7	36.0	36.3	36.6	36.9	37.2	37.5	37.7
		75t	33.5	33.7	33.9	34.2	34.3	34.6	34.9	35.1	35.4	35.7	35.9	36.3	36.5	36.7
		80t	33.2	33.4	33.7	33.9	34.0	34.3	34.6	34.8	35.1	35.3	35.5	35.9	36.1	36.3
		90t	32.8	33.0	33.2	33.4	33.5	33.8	34.0	34.2	34.5	34.7	34.9	35.2	35.4	35.6
		100t	32.5	32.7	32.8	33.0	33.1	33.3	33.6	33.7	34.0	34.2	34.4	34.6	34.9	35.0
計算2	160°C	20t	45.2	46.0	46.9	47.7	48.2	49.0	49.8	50.3	51.1	51.7	52.1	52.9	53.4	53.8
		25t	42.2	42.9	43.6	44.4	44.8	45.5	46.2	46.7	47.4	47.9	48.4	49.0	49.5	49.9
		30t	40.1	40.8	41.4	42.0	42.4	43.0	43.7	44.1	44.8	45.3	45.7	46.3	46.7	47.1
		40t	37.5	38.0	38.5	39.0	39.3	39.8	40.3	40.7	41.3	41.7	42.1	42.6	43.0	43.3
		50t	35.9	36.3	36.7	37.1	37.4	37.8	38.2	38.6	39.0	39.4	39.7	40.2	40.6	40.9
		65t	34.4	34.7	35.0	35.4	35.6	35.9	36.3	36.5	36.9	37.2	37.5	37.9	38.2	38.5
		75t	33.8	34.0	34.3	34.6	34.7	35.0	35.4	35.6	35.9	36.2	36.5	36.9	37.1	37.4
		80t	33.5	33.8	34.0	34.3	34.4	34.7	35.0	35.2	35.5	35.8	36.1	36.4	36.7	36.9
		90t	33.1	33.3	33.5	33.7	33.9	34.1	34.4	34.6	34.9	35.1	35.3	35.7	35.9	36.1
		100t	32.7	32.9	33.1	33.3	33.4	33.7	33.9	34.1	34.3	34.6	34.8	35.1	35.3	35.5
計算3	170°C	20t	46.4	47.4	48.3	49.2	49.7	50.5	51.4	52.0	52.8	53.5	54.0	54.8	55.3	55.8
		25t	43.2	44.0	44.8	45.6	46.0	46.8	47.6	48.1	48.9	49.5	49.9	50.6	51.2	51.6
		30t	41.0	41.7	42.4	43.1	43.5	44.1	44.8	45.3	46.0	46.6	47.0	47.7	48.2	48.5
		40t	38.2	38.7	39.2	39.8	40.1	40.6	41.2	41.6	42.2	42.7	43.1	43.7	44.1	44.5
		50t	36.4	36.8	37.3	37.7	38.0	38.5	39.0	39.3	39.8	40.2	40.6	41.1	41.5	41.8
		65t	34.8	35.1	35.5	35.8	36.0	36.4	36.8	37.1	37.5	37.9	38.2	38.6	38.9	39.2
		75t	34.1	34.4	34.7	35.0	35.2	35.5	35.8	36.1	36.5	36.8	37.0	37.5	37.8	38.0
		80t	33.8	34.1	34.4	34.6	34.8	35.1	35.4	35.7	36.0	36.3	36.6	37.0	37.3	37.5
		90t	33.4	33.6	33.8	34.1	34.2	34.5	34.8	35.0	35.3	35.6	35.8	36.2	36.5	36.7
		100t	32.2	32.3	32.5	32.7	32.8	32.9	33.1	33.3	33.5	33.7	33.8	34.1	34.2	34.4
計算4	180°C	20t	47.7	48.7	49.7	50.7	51.2	52.2	53.1	53.7	54.6	55.3	55.9	56.7	57.3	57.8
		25t	44.3	45.1	46.0	46.8	47.3	48.1	49.0	49.5	50.3	51.0	51.5	52.3	52.8	53.3
		30t	41.9	42.6	43.3	44.1	44.5	45.3	46.0	46.5	47.3	47.9	48.4	49.1	49.6	50.0
		40t	38.8	39.4	40.0	40.6	40.9	41.5	42.1	42.6	43.2	43.7	44.2	44.8	45.3	45.6
		50t	37.0	37.4	37.9	38.4	38.7	39.2	39.7	40.1	40.6	41.1	41.4	42.0	42.4	42.8
		65t	35.2	35.6	35.9	36.3	36.5	36.9	37.4	37.7	38.1	38.5	38.8	39.3	39.7	40.0
		75t	34.5	34.8	35.1	35.4	35.6	35.9	36.3	36.6	37.0	37.3	37.6	38.1	38.4	38.7
		80t	34.2	34.4	34.7	35.0	35.2	35.5	35.9	36.1	36.5	36.9	37.1	37.6	37.9	38.1
		90t	33.6	33.9	34.1	34.4	34.6	34.9	35.2	35.4	35.8	36.1	36.3	36.7	37.0	37.2
		100t	33.2	33.4	33.7	33.9	34.1	34.3	34.6	34.8	35.1	35.4	35.6	36.0	36.3	36.5
計算5	190°C	20t	49.1	50.1	51.2	52.2	52.8	53.8	54.8	55.4	56.4	57.2	57.8	58.7	59.3	59.8
		25t	45.4	46.2	47.1	48.1	48.6	49.5	50.4	51.0	51.9	52.6	53.1	53.9	54.5	55.0
		30t	42.8	43.6	44.3	45.2	45.6	46.4	47.2	47.8	48.6	49.2	49.7	50.5	51.1	51.5
		40t	39.5	40.1	40.7	41.4	41.7	42.4	43.1	43.5	44.2	44.8	45.2	45.9	46.4	46.8
		50t	37.5	38.0	38.5	39.0	39.3	39.9	40.4	40.8	41.4	41.9	42.3	42.9	43.4	43.7
		65t	35.6	36.0	36.4	36.8	37.0	37.5	37.9	38.3	38.8	39.2	39.5	40.0	40.4	40.7
		75t	34.8	35.1	35.5	35.8	36.0	36.4	36.8	37.1	37.5	37.9	38.2	38.7	39.1	39.3
		80t	34.5	34.8	35.1	35.4	35.6	36.0	36.3	36.6	37.0	37.4	37.7	38.1	38.5	38.8
		90t	33.9	34.2	34.5	34.8	34.9	35.2	35.6	35.8	36.2	36.5	36.8	37.2	37.5	37.8
		100t	33.5	33.7	34.0	34.2	34.4	34.7	35.0	35.2	35.5	35.8	36.1	36.5	36.8	37.0
計算6	200°C	20t	50.4	51.5	52.6	53.8	54.4	55.5	56.5	57.2	58.3	59.1	59.7	60.6	61.3	61.9
		25t	46.4	47.4	48.4	49.4	49.9	50.8	51.8	52.4	53.4	54.1	54.7	55.6	56.3	56.8
		30t	43.7	44.5	45.4	46.2	46.7	47.6	48.5	49.0	49.9	50.6	51.1	52.0	52.6	53.0
		40t	40.2	40.8	41.5	42.2	42.6	43.3	44.0	44.5	45.3	45.8	46.3	47.1	47.6	48.0
		50t	38.0	38.6	39.1	39.7	40.0	40.6	41.2	41.6	42.3	42.8	43.2	43.9	44.4	44.7
		65t	36.1	36.4	36.9	37.3	37.6	38.0	38.5	38.9	39.4	39.8	40.2	40.8	41.2	41.5
		75t	35.2	35.5	35.9	36.2	36.5	36.9	37.3	37.6	38.1	38.5	38.8	39.3	39.7	40.0
		80t	34.8	35.1	35.5	35.8	36.0	36.4	36.8	37.1	37.6	37.9	38.3	38.7	39.1	39.4
		90t	34.2	34.5	34.8	35.1	35.3	35.6	36.0	36.3	36.7	37.0	37.3	37.7	38.1	38.4
		100t	33.8	34.0	34.3	34.5	34.7	35.0	35.3	35.6	35.9	36.3	36.5	36.9	37.3	37.5

※性能を保証するものではありません。

## 【保温表面温度】



周囲温度	30.0℃
表面熱伝達率	計算によるもの
取付保温材	007,ロック筒

※計算はJISに基いて算出しておりますが、計算結果、および性能を保証値するものではありません。参考値として頂きますようお願いいたします

		表面温度:℃															
計算	管温度	厚み	管温度														
			15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A	200A	250A	300A	
計算1	225℃	20t	53.9	55.2	56.5	57.8	58.5	59.7	61.0	61.8	63.0	63.9	64.7	65.8	66.6	67.2	
		25t	49.3	50.4	51.5	52.7	53.3	54.4	55.5	56.3	57.4	58.2	58.9	59.9	60.7	61.3	
		30t	46.1	47.0	48.0	49.0	49.6	50.6	51.6	52.3	53.3	54.1	54.8	55.7	56.4	57.0	
		40t	42.0	42.7	43.5	44.3	44.8	45.6	46.4	47.0	47.9	48.6	49.2	50.0	50.6	51.1	
		50t	39.5	40.1	40.7	41.4	41.8	42.4	43.2	43.7	44.4	45.0	45.5	46.3	46.9	47.3	
		65t	37.1	37.6	38.1	38.6	38.9	39.5	40.0	40.4	41.1	41.6	42.0	42.7	43.2	43.6	
		75t	36.1	36.5	36.9	37.4	37.6	38.1	38.6	39.0	39.6	40.0	40.4	41.0	41.5	41.8	
		80t	35.7	36.1	36.4	36.9	37.1	37.6	38.0	38.4	38.9	39.4	39.7	40.3	40.8	41.1	
		90t	35.0	35.3	35.7	36.0	36.3	36.6	37.1	37.4	37.9	38.3	38.6	39.1	39.6	39.9	
		100t	34.4	34.7	35.0	35.4	35.6	35.9	36.3	36.6	37.0	37.4	37.7	38.2	38.6	38.9	
計算2	250℃	20t	57.5	59.0	60.5	62.0	62.8	64.2	65.6	66.5	67.9	69.0	69.8	71.1	72.0	72.7	
		25t	52.2	53.5	54.8	56.1	56.9	58.1	59.4	60.2	61.5	62.5	63.3	64.5	65.3	66.0	
		30t	48.6	49.7	50.8	52.0	52.7	53.8	55.0	55.7	56.9	57.8	58.5	59.7	60.5	61.1	
		40t	43.9	44.7	45.6	46.6	47.1	48.0	49.0	49.7	50.7	51.5	52.1	53.1	53.8	54.4	
		50t	41.0	41.7	42.4	43.2	43.6	44.4	45.2	45.8	46.7	47.4	48.0	48.9	49.5	50.0	
		65t	38.3	38.8	39.4	40.0	40.3	41.0	41.6	42.1	42.9	43.4	43.9	44.7	45.3	45.7	
		75t	37.1	37.6	38.0	38.6	38.9	39.4	40.0	40.4	41.1	41.6	42.1	42.8	43.3	43.7	
		80t	36.6	37.0	37.5	38.0	38.3	38.8	39.3	39.7	40.4	40.9	41.3	42.0	42.5	42.9	
		90t	35.8	36.2	36.6	37.0	37.3	37.7	38.2	38.6	39.1	39.6	40.0	40.6	41.1	41.5	
		100t	35.2	35.5	35.9	36.2	36.5	36.9	37.3	37.6	38.2	38.6	39.0	39.5	40.0	40.3	
計算3	275℃	20t	61.3	63.0	64.7	66.4	67.3	68.9	70.5	71.5	73.1	74.3	75.2	76.6	77.6	78.4	
		25t	55.4	56.8	58.3	59.8	60.6	62.0	63.5	64.4	65.9	67.0	67.9	69.2	70.1	70.9	
		30t	51.2	52.5	53.8	55.1	55.8	57.1	58.4	59.3	60.7	61.7	62.5	63.8	64.7	65.4	
		40t	45.9	46.9	47.9	48.9	49.5	50.6	51.7	52.5	53.6	54.5	55.3	56.4	57.2	57.8	
		50t	42.6	43.4	44.2	45.1	45.6	46.5	47.4	48.1	49.1	49.9	50.6	51.6	52.3	52.9	
		65t	39.5	40.1	40.8	41.5	41.9	42.6	43.3	43.9	44.7	45.4	46.0	46.8	47.5	48.0	
		75t	38.2	38.7	39.2	39.8	40.2	40.8	41.5	42.0	42.7	43.3	43.8	44.6	45.2	45.7	
		80t	37.6	38.1	38.6	39.2	39.5	40.1	40.7	41.2	41.9	42.5	43.0	43.7	44.3	44.8	
		90t	36.7	37.1	37.6	38.1	38.4	38.9	39.4	39.8	40.5	41.0	41.5	42.2	42.7	43.2	
		100t	34.6	34.9	35.2	35.6	35.8	36.2	36.6	36.9	37.4	37.8	38.1	38.6	39.0	39.2	
計算4	300℃	20t	65.3	67.2	69.0	70.9	72.0	73.8	75.5	76.7	78.4	79.8	80.8	82.4	83.5	84.4	
		25t	58.6	60.3	61.9	63.6	64.5	66.1	67.7	68.8	70.4	71.6	72.6	74.1	75.2	76.0	
		30t	54.0	55.4	56.8	58.3	59.2	60.6	62.1	63.1	64.6	65.7	66.7	68.1	69.1	69.9	
		40t	48.0	49.1	50.2	51.4	52.1	53.3	54.6	55.4	56.7	57.7	58.5	59.8	60.7	61.4	
		50t	44.3	45.2	46.1	47.1	47.7	48.7	49.8	50.5	51.6	52.5	53.3	54.4	55.2	55.9	
		65t	40.8	41.5	42.2	43.0	43.5	44.3	45.1	45.7	46.7	47.5	48.1	49.1	49.8	50.4	
		75t	39.3	39.9	40.5	41.2	41.6	42.3	43.0	43.6	44.4	45.1	45.7	46.6	47.3	47.8	
		80t	38.7	39.2	39.8	40.4	40.8	41.5	42.2	42.7	43.5	44.2	44.7	45.6	46.2	46.8	
		90t	37.6	38.1	38.6	39.2	39.5	40.1	40.7	41.2	41.9	42.5	43.0	43.8	44.5	44.9	
		100t	36.8	37.2	37.7	38.2	38.5	39.0	39.6	40.0	40.7	41.2	41.7	42.4	43.0	43.5	
計算5	325℃	20t	69.5	71.5	73.6	75.7	76.9	78.8	80.8	82.1	84.0	85.5	86.6	88.3	89.6	90.6	
		25t	62.1	63.9	65.7	67.5	68.6	70.3	72.2	73.3	75.1	76.5	77.6	79.2	80.4	81.3	
		30t	56.9	58.5	60.1	61.7	62.7	64.3	65.9	67.0	68.7	70.0	71.0	72.5	73.7	74.6	
		40t	50.2	51.4	52.7	54.0	54.8	56.1	57.6	58.5	59.9	61.1	62.0	63.4	64.4	65.2	
		50t	46.1	47.1	48.1	49.2	49.9	51.0	52.2	53.0	54.3	55.3	56.1	57.4	58.3	59.1	
		65t	42.2	43.0	43.8	44.6	45.2	46.1	47.0	47.7	48.8	49.6	50.4	51.5	52.3	52.9	
		75t	40.5	41.1	41.8	42.6	43.0	43.8	44.7	45.3	46.3	47.0	47.7	48.7	49.5	50.1	
		80t	39.8	40.4	41.0	41.7	42.2	42.9	43.7	44.3	45.2	46.0	46.6	47.5	48.3	48.9	
		90t	38.6	39.1	39.7	40.3	40.7	41.4	42.1	42.6	43.5	44.1	44.7	45.6	46.3	46.8	
		100t	37.7	38.1	38.7	39.2	39.6	40.1	40.8	41.3	42.0	42.7	43.2	44.0	44.7	45.2	
計算6	350℃	20t	73.8	76.1	78.4	80.7	82.0	84.1	86.3	87.7	89.8	91.4	92.6	94.5	95.9	97.0	
		25t	65.7	67.7	69.7	71.7	72.9	74.8	76.8	78.1	80.1	81.6	82.8	84.6	85.9	86.9	
		30t	60.0	61.7	63.5	65.3	66.3	68.1	69.9	71.1	73.0	74.4	75.5	77.2	78.5	79.4	
		40t	52.5	53.9	55.3	56.8	57.7	59.1	60.7	61.7	63.3	64.6	65.6	67.1	68.3	69.2	
		50t	48.0	49.1	50.2	51.5	52.2	53.4	54.8	55.7	57.1	58.2	59.1	60.5	61.6	62.4	
		65t	43.6	44.5	45.4	46.4	47.0	48.0	49.0	49.8	51.0	51.9	52.7	54.0	54.9	55.6	
		75t	41.7	42.5	43.2	44.1	44.6	45.5	46.4	47.1	48.2	49.0	49.8	50.9	51.7	52.4	
		80t	40.9	41.6	42.4	43.1	43.6	44.4	45.4	46.0	47.0	47.8	48.5	49.6	50.4	51.1	
		90t	39.6	40.2	40.9	41.6	42.0	42.7	43.6	44.1	45.1	45.8	46.4	47.5	48.2	48.8	
		100t	38.6	39.1	39.7	40.3	40.7	41.4	42.1	42.6	43.5	44.2	44.8	45.7	46.4	47.0	

※性能を保証するものではありません。

# 【保温表面温度】



周囲温度	30.0℃
表面熱伝達率	計算によるもの
取付保温材	007,ロック筒

※計算はJISに基いて算出しておりますが、計算結果、および性能を保証値するものではありません。参考値として頂きますようお願いいたします

表面温度:℃

計算	管温度	厚み	表面温度:℃															
			15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A	200A	250A	300A		
計算1	375℃	20t	78.4	80.9	83.4	85.9	87.3	89.6	92.0	93.5	95.8	97.5	98.9	100.9	102.4	103.6		
		25t	69.4	71.6	73.8	76.1	77.3	79.4	81.6	83.0	85.2	86.8	88.1	90.1	91.5	92.6		
		30t	63.2	65.1	67.0	69.0	70.2	72.1	74.1	75.4	77.4	79.0	80.2	82.1	83.5	84.5		
		40t	55.0	56.5	58.1	59.7	60.7	62.3	64.0	65.1	66.9	68.3	69.4	71.1	72.3	73.3		
		50t	49.9	51.2	52.5	53.8	54.6	56.0	57.5	58.5	60.0	61.3	62.3	63.8	64.9	65.8		
		65t	45.2	46.1	47.1	48.2	48.8	50.0	51.2	52.0	53.3	54.4	55.2	56.6	57.6	58.4		
		75t	43.1	43.9	44.7	45.7	46.2	47.2	48.3	49.0	50.2	51.2	52.0	53.2	54.1	54.9		
		80t	42.2	42.9	43.8	44.6	45.2	46.1	47.1	47.8	48.9	49.8	50.6	51.8	52.7	53.4		
		90t	40.7	41.4	42.1	42.9	43.4	44.2	45.1	45.7	46.8	47.6	48.3	49.4	50.3	50.9		
		100t	39.6	40.2	40.8	41.5	41.9	42.7	43.5	44.1	45.0	45.8	46.4	47.5	48.3	48.9		
計算2	400℃	20t	83.1	85.8	88.6	91.3	92.8	95.3	97.9	99.5	102.0	103.9	105.4	107.6	109.2	110.4		
		25t	73.4	75.8	78.1	80.6	82.0	84.3	86.6	88.2	90.5	92.3	93.7	95.8	97.4	98.6		
		30t	66.5	68.6	70.7	72.9	74.2	76.3	78.5	79.9	82.1	83.8	85.1	87.2	88.6	89.8		
		40t	57.6	59.3	61.0	62.8	63.8	65.6	67.4	68.7	70.6	72.1	73.3	75.2	76.5	77.6		
		50t	52.0	53.4	54.8	56.3	57.2	58.7	60.3	61.4	63.1	64.5	65.6	67.2	68.5	69.5		
		65t	46.8	47.9	49.0	50.1	50.8	52.1	53.4	54.3	55.7	56.9	57.9	59.3	60.5	61.3		
		75t	44.5	45.4	46.3	47.3	48.0	49.0	50.2	51.0	52.3	53.4	54.3	55.6	56.7	57.5		
		80t	43.5	44.3	45.2	46.2	46.8	47.8	48.9	49.7	50.9	51.9	52.8	54.1	55.1	55.9		
		90t	41.9	42.7	43.4	44.3	44.8	45.7	46.7	47.4	48.5	49.5	50.2	51.5	52.4	53.2		
		100t	40.6	41.3	42.0	42.8	43.2	44.0	45.0	45.6	46.6	47.5	48.2	49.3	50.2	50.9		
計算3	450℃	20t	93.2	96.4	99.5	102.7	104.5	107.4	110.3	112.2	115.1	117.2	118.9	121.4	123.3	124.7		
		25t	81.8	84.6	87.4	90.2	91.8	94.5	97.3	99.1	101.8	103.8	105.5	107.9	109.7	111.0		
		30t	73.7	76.2	78.7	81.3	82.7	85.2	87.8	89.4	92.0	94.0	95.5	97.9	99.6	100.9		
		40t	63.2	65.1	67.1	69.3	70.5	72.6	74.8	76.2	78.5	80.3	81.7	83.9	85.5	86.7		
		50t	56.6	58.2	59.8	61.6	62.7	64.5	66.4	67.7	69.7	71.3	72.6	74.6	76.1	77.2		
		65t	50.3	51.6	52.9	54.3	55.1	56.6	58.2	59.3	61.0	62.4	63.5	65.3	66.6	67.6		
		75t	47.5	48.6	49.7	51.0	51.7	53.0	54.4	55.4	56.9	58.2	59.2	60.9	62.1	63.1		
		80t	46.4	47.4	48.4	49.6	50.3	51.5	52.8	53.8	55.2	56.5	57.5	59.0	60.2	61.2		
		90t	44.4	45.3	46.3	47.3	47.9	49.0	50.2	51.1	52.4	53.5	54.4	55.9	57.0	57.9		
		100t	40.8	41.5	42.3	43.2	43.7	44.6	45.6	46.3	47.4	48.3	49.0	50.2	51.1	51.8		
計算4	500℃	20t	104.0	107.6	111.3	114.9	116.9	120.2	123.6	125.7	128.9	131.4	133.3	136.1	138.1	139.7		
		25t	90.8	94.1	97.3	100.6	102.4	105.5	108.7	110.7	113.8	116.1	118.0	120.7	122.7	124.3		
		30t	81.5	84.4	87.3	90.3	92.0	94.8	97.7	99.6	102.6	104.8	106.6	109.3	111.2	112.7		
		40t	69.2	71.5	73.9	76.4	77.8	80.2	82.8	84.5	87.1	89.1	90.8	93.3	95.1	96.5		
		50t	61.5	63.4	65.4	67.5	68.7	70.8	73.0	74.5	76.9	78.7	80.2	82.5	84.2	85.6		
		65t	54.2	55.7	57.2	58.9	59.9	61.6	63.4	64.7	66.7	68.3	69.7	71.7	73.3	74.5		
		75t	50.9	52.2	53.5	55.0	55.8	57.3	59.0	60.1	62.0	63.5	64.7	66.6	68.0	69.2		
		80t	49.5	50.7	52.0	53.4	54.2	55.6	57.2	58.3	60.0	61.4	62.6	64.4	65.8	67.0		
		90t	47.3	48.3	49.4	50.7	51.4	52.7	54.1	55.1	56.7	58.0	59.1	60.8	62.1	63.2		
		100t	45.5	46.4	47.4	48.5	49.2	50.3	51.6	52.5	54.0	55.2	56.2	57.8	59.0	60.0		
計算5	550℃	20t	115.5	119.7	123.7	127.8	130.1	133.8	137.6	139.9	143.5	146.2	148.3	151.4	153.7	155.4		
		25t	100.6	104.2	107.9	111.6	113.7	117.2	120.8	123.0	126.5	129.1	131.2	134.3	136.5	138.2		
		30t	89.9	93.2	96.5	99.9	101.8	105.1	108.4	110.6	113.9	116.4	118.4	121.4	123.6	125.3		
		40t	75.8	78.5	81.2	84.0	85.7	88.4	91.4	93.3	96.3	98.6	100.5	103.3	105.4	107.0		
		50t	66.9	69.1	71.4	73.8	75.2	77.6	80.2	81.9	84.6	86.7	88.5	91.1	93.0	94.5		
		65t	58.4	60.1	61.9	63.9	65.0	67.0	69.2	70.6	72.9	74.8	76.3	78.7	80.5	81.9		
		75t	54.6	56.1	57.6	59.3	60.3	62.1	64.0	65.3	67.5	69.2	70.6	72.8	74.5	75.8		
		80t	53.0	54.4	55.9	57.5	58.4	60.1	61.9	63.2	65.2	66.8	68.2	70.3	72.0	73.2		
		90t	50.4	51.6	52.9	54.3	55.2	56.7	58.3	59.5	61.3	62.9	64.1	66.1	67.6	68.9		
		100t	48.2	49.4	50.5	51.8	52.6	53.9	55.4	56.5	58.2	59.6	60.8	62.7	64.1	65.2		
計算6	600℃	20t	127.7	132.4	136.9	141.4	144.0	148.1	152.2	154.8	158.8	161.7	164.0	167.4	169.9	171.7		
		25t	111.0	115.1	119.2	123.4	125.7	129.6	133.5	136.1	139.9	142.8	145.1	148.4	150.9	152.7		
		30t	98.9	102.6	106.4	110.2	112.4	116.0	119.7	122.1	125.8	128.6	130.8	134.2	136.6	138.4		
		40t	82.9	85.9	89.0	92.2	94.1	97.2	100.5	102.7	106.1	108.7	110.8	113.9	116.2	118.0		
		50t	72.8	75.3	77.9	80.6	82.2	85.0	87.9	89.8	92.9	95.3	97.2	100.2	102.4	104.1		
		65t	63.1	65.0	67.1	69.3	70.6	72.9	75.3	77.0	79.7	81.8	83.5	86.2	88.2	89.8		
		75t	58.6	60.3	62.2	64.1	65.3	67.3	69.5	71.0	73.4	75.4	77.0	79.5	81.4	82.9		
		80t	56.8	58.4	60.1	62.0	63.1	65.0	67.1	68.5	70.8	72.7	74.3	76.7	78.5	80.0		
		90t	53.8	55.2	56.7	58.4	59.3	61.1	63.0	64.3	66.4	68.2	69.6	71.9	73.6	75.0		
		100t	51.3	52.6	54.0	55.4	56.3	57.9	59.6	60.8	62.8	64.4	65.8	67.9	69.6	70.9		

※性能を保証するものではありません。