

TEST REPORT

No. : SHIN2406009590ML01_EN

Date : 2024-06-13

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1. Rockwell Hardness Test

Test Method:GB/T 230.1-2018

Test item	Sample	Test position	Result		
HRC	001	Core	35.8	35.9	36.1

2. Tensile Test

Test Method:GB/T 228.1-2021

Test Rate Control: A224

Test item	Specimen type	Tensile strength (R_m) (MPa)	Proof strength ($R_{p0.2}$) (MPa)	Elongation after fracture(A) $L_0 = 5.65\sqrt{S_0}$ (%)
Result-001	Tubular Strip specimen	1122	858	14.0

3. Dimensional Measurement

Test Method:GB/T 3177-2009

Unit (mm)

Test Item			Theoretical Value			Results				Test Equipment
No.	Position	Dimension	Nominal	Tolerance (+)	Tolerance (-)	Measure	Deviation	Outtol	Con.	
1		diameter	108	0.1	0.1	108.034	0.03	0	-	CMM
2		diameter	120	0.2	0.2	120.038	0.04	0	-	CMM
3		Distance	5800	10	5	401.342	-5398.66	5393.658	-	CMM

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4. Roughness Measurement

Test Method:GB/T 1031-2009

Dimension No.	Measure value (μm)			Measure (μm)	Nominal value & Tolerance	Con.	Test equipment
	Measure 1	Measure 2	Measure 3				
001							
1	Ra0.469	Ra0.445	Ra0.431	Ra0.448	Ra \leq 1.6	-	Roughmeter



Sample Photo

*****End of report*****

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