

INSPECTION REPORT

REPORT NUMBER: JY-230712001

PRODUCT NAME: WIRE SPIRAL RUBBER HOSE

PRODUCTION UNIT :

REPORT DATE: JULY 12, 2023

INSPECTION REPORT

Report number: JY-230712001

TOTAL 2 PAGES PAGE 1

SAMPLE NAME	WIRE SPIRAL RUBBER HOSE		
BRAND	TechnoPower Arctic Premium		
SPECIFICATION AND MODEL	EN856 4SH 1"		
PRODUCTION UNIT			
ENTRUSTED UNIT			
PRINCIPAL		INSPECTION CATEGORY	
SAMPLE BASE	10M	SAMPLE SOURCE	MANUFACTURING DEPARTMENT
DATE OF SUBMISSION	JUN 22, 2023	DETECTION START AND STOP TIME	JUN 22, 2023 TO JULY 11, 2023
TEST ROOM AMBIENT TEMPERATURE	23°C	TEST ROOM RELATIVE HUMIDITY	52%RH
SAMPLE STATUS	BLACK HOSE INTACT		
INSPECTION ITEM NAME	DIMENSIONS, VERIFICATION PRESSURE, MINIMUM BURST FORCE TEST, LENGTH CHANGE RATE, LEAKAGE, MINIMUM BENDING RADIUS, VACUUM RESISTANCE, LOW TEMPERATURE BENDING, FLUID RESISTANCE, OZONE RESISTANCE,		
TEST BASIS AND DECISION PRINCIPLE	GB/T10544-2013		
MAIN INSTRUMENT NAMES USED FOR TESTING	EXPLOSION TESTING MACHINE (LTY-NO-03) PULSE TESTING MACHINE (LTY-NO-07) TENSILE TESTING MACHINE (LTY-NO-02) OZONE TESTING MACHINE (LTY-NO-05) LOW TEMPERATURE TEST CHAMBER (LTY-NO-22) HOT AIR AGING TEST CHAMBER (LTY-NO-08) VERNIER CALIPER (LTY-NO-21) ELECTRONIC BLAST DRYING OVEN (LTY-NO-41)		
TEST RESULTS	THE INSPECTED ITEMS COMPLY WITH THE STANDARD REQUIREMENTS OF GB/T10544-2013		



SPECIAL SEAL FOR TESTING UNITS

ISSUANCE DATE: JULY 12, 2023

PREPARED BY: [REDACTED]

APPROVED BY: [REDACTED]

NO	ITEM	INSPECTION METHOD	TECHNICAL REQUIREMENTS	INSPECTION RESULTS	INDIVIDUAL JUDGMENTS
1	INNER DIAMETER MEASUREMENT	GB/T9573 - 2013	25.4MM,-0.4、 +0.5	25.5MM	CONFORM
2	OUTSIDE DIAMETER MEASUREMENT	GB/T9573 - 2013	37.5MM±0.3MM	37.5MM	CONFORM
3	APPEARANCE QUALITY	GB/T9573 - 2013	THE HOSE MUST HAVE NO LEAKAGE FROM THE BRAID, AND NO BUBBLES, CRACKS, SEA SURFACES, DELAMINATION, OR ABNORMALITIES SUCH AS EXPOSED STEEL WIRES ARE ALLOWED.	CHECK FOR ABNORMALITIES SUCH AS BUBBLES, CRACKS, SEA SURFACES, DELAMINATION, AND EXPOSED STEEL WIRES.	CONFORM
4	CONCENTRICITY MEASUREMENT	GB/T9573 - 2013	≤0.5MM	0.19MM	CONFORM
5	LENGTH CHANGE RATE %	GB/T9573 - 2013	UNDER THE DESIGN WORKING PRESSURE, THE LENGTH CHANGE OF THE HOSE SHALL NOT EXCEED -4%~+2%.	THE LENGTH CHANGE RATE OF THE HOSE UNDER THE DESIGN WORKING PRESSURE IS -0.2%	CONFORM
6	BLAST TEST	GB/T9573 - 2013	THE BURSTING PRESSURE IS 4 TIMES THE DESIGN WORKING PRESSURE, THAT IS, 154 MPA, AND THE PRESSURE IS STABILIZED FOR 1 MINUTE. THERE SHOULD BE NO SIGNS OF RUPTURE.	THE BURST PRESSURE WAS 154 MPA, AND THE PRESSURE WAS STABILIZED FOR 1 MINUTE WITHOUT ANY SIGNS OF RUPTURE.	CONFORM
7	PULSE TEST	GB/T9573 - 2013	AT (100 ± 2) °C × 1.33 TIMES THE WORKING PRESSURE, THE PULSE RATE IS NO LESS THAN 400,000 TIMES.	FREQUENCY 60 TIMES/S, PULSE 972,000 TIMES, NO ABNORMALITY IN THE TUBE BODY	CONFORM
8	LEAK TEST	GB/T9573 - 2013	NO LEAKAGE FOR 5 MINUTES UNDER BURST PRESSURE × 70% PRESSURE.	THERE IS NO LEAKAGE IN THE PIPE BODY AFTER THE PRESSURE IS 107.8MPA FOR 5 MINUTES.	CONFORM
9	LOW TEMPERATURE BENDING TEST	GB/T9573 - 2013	THERE ARE NO CRACKS IN THE INNER AND OUTER RUBBER WHEN BENT 180 DEGREES UNDER FREEZING CONDITIONS OF -55°C×24H.	CHECK FOR NO CRACKS	CONFORM

10	OZONE TEST	GB/T2413 4-2011	UNDER THE OZONE CONCENTRATION OF 40°CX50PPHM, THE MINIMUM BENDING RADIUS IS 340MM, AND THERE IS NO CRACKING UNDER A 2X MAGNIFYING GLASS FOR 72 HOURS.	AFTER 72 HOURS OF OZONE, IT WAS MAGNIFIED 2 TIMES TO CHECK THAT THERE WERE NO CRACKS.	CON FOR M
11	ADHESION PROPERTIES	GB/T1490 5-2009	INNER RUBBER LAYER: NOT LESS THAN 2.5KN/M OUTER RUBBER LAYER: NOT LESS THAN 2.5KN/M	INNER RUBBER 4.3KN/M EXTERNAL RUBBER 3.8KN/M	CON FOR M

STATEMENT

1. The report without the "Special Inspection Seal" of the inspection unit is invalid.
2. The report is invalid without the signature of the chief inspector, reviewer and approver.
3. The inspection report may not be copied in any way without the consent of our company; the inspection report copied with consent (full text copy) should be confirmed by our company's "Special Inspection Seal", and it will be invalid without our company's seal.
4. Report changes and alterations are invalid.
5. The entrusted inspection is only responsible for the samples.
6. If you have any objections to this report, you should submit it to our testing center within fifteen days from the date of receipt of the report. Overdue objections will not be accepted.
7. Sample processing: Samples that pass the inspection can be taken back; samples that fail the inspection will be taken back by the sample sending unit within 15 days if there is no objection; samples for arbitration inspection will be taken back after the case is closed. The above samples shall be collected

by the inspected unit with an entrustment order. If you do not collect it after the due date, it will be handled according to the sample management regulations of our testing center.