

# QUALITY CERTIFICATION

HOSE: HYDRAULIC HOSE EN 856 4SP      3/8" NORM: DIN 20023 4SP FIRM: Producer:	REPORT NO.: 2024T0926009 DATE OF TEST: 2024/09/25 DATE OF REPORT: 2024/09/26 TRACKING
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TEST NMAE	SPECIFICATION	RESULT			METHOD
		NO:1	NO:2	NO:3	
<b>1.0 DIMENSION CONTROL</b>					EN 24671
1.1 Inside Diameter,                      mm	9.1-9.6	9.4	9.5	9.5	
1.2 Outside Diameter,                      mm	20.6-21.0	20.7	20.8	20.8	
1.3 Concentricity (internal-outside/diameter)	MAX:0.8	0.7	0.6	0.5	
1.4 Cover wall thickness                      mm	0.8-2	OK	OK	OK	
1.5 Inner compound	NBR	OK	OK	OK	
1.6 Inner compound code	1201	OK	OK	OK	
1.7 Cover compound	CR/NBR	OK	OK	OK	
1.8 Cover compound code	2106	OK	OK	OK	
<b>2.0 HYDROSTATIC TEST</b>					EN ISO 1402
2.1 Working Pressure,                      kgf/cm <sup>2</sup>	445	OK	OK	OK	
2.2 Change Elongation at W.P.                      %	+2/-4	0.6	0.7	0.5	
2.3 Proof Pressure,                      kgf/cm <sup>2</sup>	890	OK	OK	OK	
2.4 Burst Pressure,                      kgf/cm <sup>2</sup>	MIN:1780	169	175	182	
2.5 Minimum Bend Radius, (180mm) %	MAX:1.0	OK	OK	OK	
2.6 Working temp. MAX	(-40°C/+100°C)	OK	OK	OK	
<b>3.0 COLD FLEXIBILITY</b>					EN 24672/B
3.1(-40°C/24h)                      (TUBE)	No Crack	Not Cracked	Not Cracked	Not Cracked	
3.2(-40°C/24h)                      (COVER)	No Crack	Not Cracked	Not Cracked	Not Cracked	
<b>4.0 ADHESIVE</b>					EN 28033
4.1 Liner-Reinforcement,                      kgf/cm	MIN:2.5	No Separate	No Separate	No Separate	
4.2 Reinforcement - Cover,                      kgf/cm	MIN:2.5	No Separate	No Separate	No Separate	
<b>5.0 FIULD RESISTANCE</b>					ISO 1817
5.1 ASTM NO:3 (CHANGE IN VOLUME)					
5.1.1(100°C.72h)                      (TUBE) %	0/100	8.25	8.25	8.25	
5.1.2(100°C.72h)                      (COVER) %	0/100	38.67	38.67	38.67	
6.0 LEAKAGE TEST                      kgf/cm <sup>2</sup>	935	OK	OK	OK	EN ISO 1402
7.0 OZONE RESITANCE                      (COVER)					EN 27326/1-2
(40C/50 pphm O3/72h/%20 Elon./ 2X)	Rating:0	Rating:0	Rating:0	Rating:0	
8.0 VACUUM                      bar	MAX:-0.8	OK	OK	OK	
9.0 IMPULSE TEST                      Cycles	MIN:400.000	OK	OK	OK	ISO 6803

INSPECTOR:  
SIGNATURE:

APPROVED:  
SIGNATURE