

# QUALITY CERTIFICATION

HOSE: HYDRAULIC HOSE SAE100 R2AT 1/2" NORM: SAE J517 SAE 100 FIRM: ORDER NO.:	CODE: REPORT NO.: 2024T0905001 DATE OF TEST: 2024/09/04 DATE OF REPORT: 2024/09/05
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TEST NMAE	SPECIFICATION	RESULT			METHOD
		NO:1	NO:1	NO:1	
<b>1.0 DIMENSION CONTROL</b>					EN 24671
1.1 Inside Diameter, mm	12.3-12.8	12.5	12.6	12.5	
1.2 Outside Diameter, mm	21.1-21.5	21.3	21.5	21.5	
1.3 Concentricity (internal-outside/diameter)	MAX:0.8	0.6	0.5	0.7	
1.4 Cover wall thickness mm	0.8-1.5	OK	OK	OK	
1.5 Inner compound	NBR	OK	OK	OK	
1.6 Inner compound code	6280	OK	OK	OK	
1.7 Cover compound	CR/NBR	OK	OK	OK	
1.8 Cover compound code	3345	OK	OK	OK	
<b>2.0 HYDROSTATIC TEST</b>					EN ISO 1402
2.1 Working Pressure, kgf/cm <sup>2</sup>	276	OK	OK	OK	
2.2 Change Elongation at W.P. %	+2/-4	0.6	0.8	0.7	
2.3 Proof Pressure, kgf/cm <sup>2</sup>	552	OK	OK	OK	
2.4 Burst Pressure, kgf/cm <sup>2</sup>	MIN:1104	1145	1289	1302	
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>	585	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:200.000	OK	OK	OK	ISO 6803

OBERVATIONS:"THE SAMPLES TESTED WERE FROM TAKEN FROM HOSES WHICH WERE PRODUCED FOR

INSPECTOR:  
SIGNATURE:

APPROVED:  
SIGNATURE