

QUALITY CERTIFICATION

HOSE: HYDRAULIC HOSE SAE100 R2AT1" NORM: SAE J517 SAE 100 FIRM: ORDER NO.:	CODE: REPORT NO.: 2024T0925001 DATE OF TEST: 2024/09/24 DATE OF REPORT: 2024/09/25
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TEST NMAE	SPECIFICATION	RESULT			METHOD
		NO:1	NO:2	NO:3	
1.0 DIMENSION CONTROL					
1.1 Inside Diameter, mm	24.8-25.4	25.2	25.3	25.4	EN 24671
1.2 Outside Diameter, mm	35.8-37.8	37.8	37.5	37.4	
1.3 Concentricity (internal-outside/diameter)	MAX:0.8	0.7	0.6	0.5	
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	
2.0 HYDROSTATIC TEST					
2.1 Working Pressure, kgf/cm ²	165	OK	OK	OK	EN ISO 1402
2.2 Change Elongation at W.P. %	+2/-4	0.6	0.7	0.5	
2.3 Proof Pressure, kgf/cm ²	330	OK	OK	OK	
2.4 Burst Pressure, kgf/cm ²	MIN:650	660	672	659	
2.5 Minimum Bend Radius, (300mm) %	MAX:1.0	OK	OK	OK	
2.6 Working temp. MAX (-40°C/+100°C)		OK	OK	OK	
3.0 COLD FLEXIBILITY					
3.1(-40°C/24h) (TUBE)	No Crack	Not Cracked	Not Cracked	Not Cracked	EN 24672/B
3.2(-40°C/24h) (COVER)	No Crack	Not Cracked	Not Cracked	Not Cracked	
4.0 ADHESIVE					
4.1 Liner-Reinforcement, kgf/cm	MIN:2.5	No Separate	No Separate	No Separate	EN 28033
4.2 Reinforcement - Cover, kgf/cm	MIN:2.5	No Separate	No Separate	No Separate	
5.0 FIULD RESISTANCE					
5.1 ASTM NO:3 (CHANGE IN VOLUME)					
5.1.1(100°C.72h) (TUBE) %	0/100	8.25	8.25	8.25	ISO 1817
5.1.2(100°C.72h) (COVER) %	0/100	38.67	38.67	38.67	
6.0 LEAKAGE TEST kgf/cm ²	340	OK	OK	OK	EN ISO 1402
7.0 OZONE RESITANCE (COVER)					
(40C/50 pphm O3/72h/%20 Elon./ 2X	Rating:0	Rating:0	Rating:0	Rating:0	EN 27326/1-2
8.0 VACUUM bar	MAX:-0.8	OK	OK	OK	
9.0 IMPULSE TEST Cycles	MIN:200.000	OK	OK	OK	ISO 6803

INSPECTOR: SIGNATURE:	APPROVED: SIGNATURE
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