



TEST CERTIFICATE

HOSE MAKE : TUFFCO		BATCH CODE : 3Q/2021		
HOSE TYPE: EN853 1SN-1.1/4"		CODE: WM220		
FIRM: HENGSHUI JIDIER SPECIAL RUBBER HOSE CO.,LTD		REPORT NO: 202110815285		
ORDER NO: 21WM112		DATE OF TEST: 08.15.2021		
TUFFCO				
TEST NAME		SPECIFICATION	RESULT	METHOD
1.0 DIMENSION CONTROL				EN 24671
1.1 Inside Diameter	mm	31.4 ~ 33.0	32.1 ~ 32.2	
1.2 Outside Diameter	mm	MAX: 44.8	43.7 ~ 44.1	
1.3 Concantricity(Internal-outside/diameter)	mm	MAX: 1.3	OK	
1.4 Cover wall thickness	mm	1.0-2.0	OK	
2.0 HYDROSTATIC TEST				EN ISO 1402
2.1 Working Pressure	MPa	6.2	OK	
2.2 Change Elongation at W.F.	%	-4 ~ +2	-0.15	
2.3 Proof Pressure	MPa	12.4	OK	
2.4 Burst Pressure	MPa	MIN:24.8	29	
2.5 Minimum Bend Radius ,(100mm)	%	MAX:420	OK	
2.6 Working temp.MAX.	°C	(-40 ~ +100)	OK	
3.0				EN 24672
3.1 (-40°C/24h) DIN EN 853 (TUBE)		No Crack	Not Cracked	
3.2 (-40°C/24h) DIN EN 853(COVER)		No Crack	Not Cracked	
4.0 ADHESIVE				EN 28033
4.1 Liner-Reinforcement	kgf/cm	MIN:2.5	No Separate	
4.2 Reinforcement-Cover	kgf/cm	MIN:2.5	No Separate	
5.0 ABRASION RESISTANCE (COVER)				EN ISO 6945
(25±0.5)N/2000 Cycles	gr	MAX:0.5	0.17	
6.0 FLUID RESISTANCE				ISO 1817
6.1 ASTM NO: 3(CHANGE IN VOLUME)				

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6.1.1 (100°C/168h)	DIN EN 853	(TUBE)	%	MAX:25	/	
6.1.2 (100°C/168h)	DIN EN 853	(COVER)	%	MAX:100	/	
6.2 WATER + ETHANOL(CHANGE IN VOLUME)						
6.2.1 (70°C/168h)	DIN EN 853	(TUBE)	%	MAX:25	/	
6.2.2 (70°C/168h)	DIN EN 853	(COVER)	%	MAX:100	/	
6.3 WATER(CHANGE IN VOLUME)						
6.3.1 (70°C/168h)	DIN EN 853	(TUBE)	%	MAX:25	/	
6.3.2 (70°C/168h)	DIN EN 853	(COVER)	%	MAX:100	/	
7.0 OZONE RESISTANCE (COVER)						EN 27326
40°C / 50 pphm O ₃ / 72h / %20 Elon J2X						
8.0 IMPULSE TESTING (TUBE)						ISO 6803-2008,
Pressure = 1.25 * Working Pressure			Cycle	150000 Cycle	153290 Cycle	

PREPARED BY:	支绍营	DATE:	08.15.2021
REPORT BY :	冯琳	DATE:	08.15.2021
APPROVE CHECKING :	魏林义	DATE:	08.15.2021
APPROVE :	刘璐	DATE:	08.15.2021
Signature And Stamp :			
Remark:			

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