

Hose	: SILICONE MARINE WET EXHAUST HOSE (CORRUGATED) GREY RAL 9006
Application	: Hoses are to be used for suction & delivery applications in marine wet exhaust and engine coolant systems on yachts and small craft. Excellent physical and performance characteristics.
Lining	: Salt water, diesel fumes, splash, high and low temperature resistant, GREY , smooth silicone rubber
Reinforcement	: High tensile multi ply polyester reinforcement and steel helix wire .
Cover	: Ozone, salt water, diesel fumes, splash, cold and high temp. resistant, Glossy Grey RAL 9006 silicone rubber.
Temperature	: Suitable for use in the range -54 to + 177 Celsius. (intermittent to + 250 ° C)
Relevant CE Standards	: SAE J 2006 R2 and ISO 13363 TYPE 2 CLASS B
Classification	: Non

Code	I.D.		O.D	No. of reinforcements	Steel Wire		Working Pressure		Burst Pressure		Vacuum		Bending Radius		Weight	
					Diam.	Pitch										
	mm	inch	mm		mm	mm	bar	psi	bar	psi	bar	inch Hg	mm	inch	kg/m	lbs/ft
SIHOSE25	25	1	35	2	1.5	12	5.0	73	20	290	-0,9	27	62	2 7/16	0.60	0.40
SIHOSE32	32	1 1/4	41	2	1.5	12	4.5	65	18	261	-0,9	27	80	3 1/8	0.73	0.49
SIHOSE38	38	1 1/2	47	2	1.5	12	4.0	58	16	232	-0,9	27	95	3 3/4	0.85	0.57
SIHOSE51	51	2	61	2	2	12	4.0	58	16	232	-0,9	27	150	5 7/8	1.31	0.88
SIHOSE63	63	2 1/2	74	2	2	13	3.5	51	14	203	-0,9	27	190	7 1/2	1.60	1.08
SIHOSE76	76	3	87	2	2.5	14	3.5	51	14	203	-0,9	27	225	8 7/8	2.06	1.38
SIHOSE102	102	4	113	2	2.5	16	2.0	29	8	116	-0,9	27	360	14 3/16	2.70	1.81

Identification:

			SILICONE HOSE - I.D. 25 mm (1")	SAE J2006 R2 ISO 13363; 2004 TYPE 2 CLASS B
- 0.5 meter Mark, Hose type, dimension and standards repeated every 0.5 meter				

SILICONE WET EXHAUST HOSE					
Test Date : 12-04-2007					
TEST REQUIREMENTS		"ISO 13363 TYPE 1 and 2 CLASS B"		"SAE J 2006 R1 and R2"	
		SPEC	RESULTS	SPEC	RESULTS
COMPOUND TESTS					
Tensile Strength	Tube	Min. 8 MPa	8.3	Min. 8 MPa	8.3
	Cover	Min. 7 MPa	8.2	Min. 7 MPa	8.2
Elongation at break	Tube	Min. % 200	365	Min. % 200	365
	Cover	Min. % 200	388	Min. % 200	388
"ACCELERATED AGEING 70h ; 100°C"					
Hardness Change	Tube	+10/-5 IRHD	2	N/A	N/A
	Cover	+10/-5 IRHD	3		
Tensile Strength Change	Tube	+10/-25 %	8.43		
	Cover	+10/-25 %	3.65		
Elongation at Break Change	Tube	±30 %	-6.3		
	Cover	±30 %	-4.12		
"Compression Set 24h ; 100°C"	Tube	max. 45 %	16.6		
	Cover	max. 45 %	20		
PHYSICAL TESTS ON FINISHED HOSE					
Inside diameter			"This report include all sizes"		"This report include all sizes"
Min.Bend Radius			All sizes OK.		N/A
Burst Pressure		Min. 2.5 bar	OK	Min. 2.5 bar	OK
Flexibility		"O.D deformation shall be max. 0.2 x O.D at min. bending radius"	OK	N/A	N/A
Ozone Test		"40°C; 72 h; 50pphm mag. X2 Rating : 0 "	RATING:0	"40°C; 70 h; 50pphm mag. X7 Rating : 0 "	RATING: 0
Adhesion Test	Tube	Min: 1.5 kgf/cm	OK	Min: 2.1 kgf/cm	OK
	Cover	Min: 1.5 kgf/cm	OK	Min: 2.1 kgf/cm	OK
Abrasion Resistance Test		Loss in mass shall be max. 1.0 gr after 2000 cycle with a vertical force of 50 N	"After 2000 cycle, loss in mass 0.018 gr OK "	"ONLY R2 TYPE" 25 X 75/45N/1000 cycle/80 rpm/360° "after the 1000 cycle, shall not have any rigid helix exposed"	Rigid helix not ex- posed at 1000 cycle
"Heat Resistance (580°C ±30°C; 2min.)"		"not leakage after the exhaust test at 580°C 2 min."	OK	"not leakage after the exhaust test at 580°C 2 min."	OK
"Ageing for hose (Burst pressure change)"		"After the ageing at 1000 h and 85°C, burst pressure change shall not be more than 25 %"	OK	N/A	N/A