

TYRE TEST REPORT

SR. NO.	PARAMETER	OBSERVATION
1	SIZE	90/90-18
2	WEIGHT(Kg)	3.140
3	PATTERN CODE	EY-311-03
4	RIM(INCHES)	2.15
5	OUTER DIA.(MM)	623.17
6	CIRCUMFERENCE(MM)	1958
7	CSW(MM)	82.17
8	MAX. LOAD(Kg/LBS)	230/507
9	INFLATION PR.(Kpa/PSI)	280/40
10	SPEED SYMBOL	L
11	LOAD INDEX	57
12	PR	6
13	MOULD NO.	03
14	TWI	4
15	MFD. DATE	3520
16	MADE IN CHINA/INDIA	CHINA
17	ROTATION	YES
18	TYRE TYPE	TT
19	ISI/E/CCC No.	DOT XR/E4-75R-0011038
20	TREAD WIDTH(MM)	86.35
21	LOAD RANGE	C
22	NSD(MM)	5.36
23	PLY (NYLON)	NYLON
24	BEAD	3X3
25	C/L WITH CARCASS	10.48
26	CONST.(P+B)	2+0
27	UT(MM)	2.68
PHYSICAL TESTING REPORT		
1	HARDNESS(Shore A)	67.00
2	SP.GRAVITY	1.16
3	TENSILE STRENGTH(Mpa)	17.47
4	MOD. AT 100%(Mpa)	3.20
5	MOD. AT 300%(Mpa)	10.78
6	ELONGATION @ BREAK (%)	472.82
7	TEAR STRENGTH(N/MM)	127.66
8	ASH CONTENT (%)	4.87
9	TREAD TO PLY (N/MM)	15.80



EASTMAN HONGKONG PRIVATE LTD. (QINGDAO REPRESENTATIVE OFFICE)

香港伊斯特曼有限公司

No. 90, Songyuan building materials wholesale market, Jiaonan, Shandong, China Tel: (+86-532) 86118545 | Web: www.eastmantires.com

青岛胶南松园建材批发市场90号

Tire Walking Test Record

Routine
 Test
 Test
 Formal
 Competition
 Abnormal
 Material

 Sampling Comparison Appraisal Confirmation

Test Name	<input type="checkbox"/> Durable <input checked="" type="checkbox"/> High speed <input type="checkbox"/>	Machine Number	2	#	<input type="checkbox"/> Yellow <input type="checkbox"/> Green		
Nominal scale	3.00-18 TT	Hierarchical / load speed	6PR	Molding number	N.M.	Add sulfur number	
Pattern code	EM-10	Mould Number	3	Internal Pressure	40	PSI	Load 200 Kgf
Test Objective	REGULAR TEST		Test Start Date	16-Jan-21			

一、Tire scale measurement (mm)			Internal pressure:	40	PSI	Rim:	1.85
Project	Reference	Measured value	Judge	Project	Reference	Measured value	Judge
Outer diameter	633.35±1%	632.71	OK	Tread Width	85±1%	87.18	OK
Section width	85±4	82.72	OK	Weight	3.800±5%	3.915	OK
Dimension measurement:							

Tire Walking Test	Internal pressure	40	PSI	Load	200	(kg)	Room temperature	15±5°C
-------------------	-------------------	-----------	-----	------	------------	------	------------------	---------------

Test code: (Explain:)

Test	Load value	Load	Speed	Start Time	Mileage	Total mileage	Phase measurement and Temp. recording		Note
Phase	(Hour)	200	%	Km/HR	(D: H: M)	(Km)	(Km)	TIME (HOURS)	TEMPERATURE (Degree C)
1	7.0	200.0	100.0	80		560.0	560.0		
2	16.0	216.0	108.0	80		1280.0	1840.0		
3	24.0	234.0	117.0	80		1920.0	3760.0	47	57.8
4	5.0	250.0	125.0	80		400.0	4160.0		
5	5.0	264.0	132.0	80		400.0	4560.0	57	59.8
6	5.0	276.0	138.0	80		400.0	4960.0		
7	10.0	286.0	143.0	80		800.0	5760.0	72	60.6
8	10.0	296.0	148.0	80		800.0	6560.0		
9	10.0	306.0	153.0	80		800.0	7360.0		
10	3.5	320.0	160.0	80		280.0	7640.0	95.5	63.2
11									
12									

criteria	MOTOR CYCLE TYRE	Walking results	7640	Km	Walking Results determination	QUALIFIED
----------	-------------------------	-----------------	-------------	-----------	-------------------------------	------------------

The failure phenomenon analysis and review: "NO DAMAGE IN TYRE"

1、Damage location:

Overall rating: PASS	Approval	Audited	Authorized
-----------------------------	----------	---------	------------



Plunger Test Report

Test Method	BIS	Report ID	20012021-3
Specifications / Size	3.00-17 TT	Pattern Code	EM-07

TEST CONDITIONS					
Experimental Basis	STANDARD	Test Equipment	LTQJ-SV-5D	Head Diameter (mm)	8
Temperature (°C)	15	Rim Width (Inches)	1.85	Test Pressure (psi)	40

TEST RESULTS					
Test Point Number	1	2	3	4	5
Power (N)	1901	1901	1901	1901	1947
Displacement (mm)	50.3	51.3	50.4	51.2	52.4
Speed (mm/min)	50	50	50	50	50
Failure Energy (J)	48.0	48.7	47.9	48.6	51.0
Avg. Failure Energy (J)	48.8		Calculation Method		
Standard Failure Energy (J)	45.0				
Observations	TYRE CORD BROKEN IN 5TH ATTEMPT. MAX. FAILURE ENERGY IS 51.0 JULE				
Qualified/ Disqualified	QUALIFIED				
Remarks	6PR, 50P				



EASTMAN HONGKONG PRIVATE LTD. (QINGDAO REPRESENTATIVE OFFICE)

香港伊斯特曼有限公司

No. 90, Songyuan building materials wholesale market, Jiaonan, Shandong, China Tel: (+86-532) 86118545 | Web: www.eastmantires.com

青岛胶南松园建材批发市场90号