

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)	82.70
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	SR.No. (vendor code)	03
16	MFD. DATE	1316
17	MADE IN CHINA/INDIA	CHINA
18	ROTATION	YES
19	TYRE TYPE	TT
20	ISI/E/CCC No.	DOT XR/ E4-75R-0011038
21	TREAD WIDTH(MM)	86.35
22	LOAD RANGE	C
23	NSD(MM)	5.36
24	PLY	NYLON
25	BEAD	3X3
26	C/L WITH CARCASS	10.48
27	CONST.(P+B)	2+0
28	CONST.(CHAFFER)	NO
29	UT(MM)	2.68

PHYSICAL TESTING REPORT		
1	HARDNESS(Shore A)	67
2	SP.GRAVITY	1.159
3	TENSILE STRENGTH(Mpa)	17.47
4	MOD. AT 100%(Mpa)	3.2
5	MOD. AT 300%(Mpa)	10.78
6	ELONGATION @ BREAK(%)	472.82
7	TEAR STRENGTH(N/MM)	127.66
8	ASH CONTENT(%)	3.82
9	ABRASION LOSS(CC3) DIN	0.18
10	PLY TO TREAD(N/MM)	15.80

Plunger Test Report

Test Method	BIS	Report ID	300516-2		
Specifications / Size	3.00-17	Pattern Code	EM-07		
TEST CONDITIONS					
Experimental Basis	STANDARD	Test Equipment	LTQJ-SV-5D	Head Diameter (mm)	8
Temperature(°C)	24	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)	50.5	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				

Tire Walking Test Record												
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Test <input type="checkbox"/> Test <input type="checkbox"/> Formal <input type="checkbox"/> Competition <input type="checkbox"/> Abnormal <input type="checkbox"/> 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	90/90-18TL-MO		Hierarchical / load speed	6PR		Molding number	NM		Add sulfur number			
decorative pattern	EY-2305		Mould Number	2		Internal Pressure	40	PSI	Load	230	Kgf	
Test Objective						Test Start Date	2016-5-4					
Tire scale measurement (mm)				Internal pressure :		40	PSI	Rim :	2.15			
Project	Reference	Measured value	Judge		Project	Reference	Measured value	Judge				
Outer diameter	625±1%	626.19	OK		Tread Width	90±1%	87.83	OK				
Section width	90±4	85.95	OK		Weight	3.400±5%	3.390	OK				
Dimension measurement :												
Tire Walking Test				Internal pressure		40	PSI	Load	230	(kg)	room temperature	20±5°C
Test	Load value	Load	Speed	Start time	Mileage	Total mileage	Phase measurement and Temp. recording			Note		
Phase	(Hour)	230	%	Km/HR	(D : H : M)	(Km)	(Km)	TIME(HOURS)	TEMPERATURE (Degree C)			
1	0.1	149.50	65.0	110		11.0	11.0		30 DEG.			
2	0.3	149.50	65.0	110		36.3	47.3					
3	0.2	149.50	65.0	110		18.3	65.6					
4	0.2	149.50	65.0	120		19.9	85.5					
5	0.2	149.50	65.0	130		21.6	107.1					
6	0.2	149.50	65.0	140		23.2	130.3		34 DEG.			
criteria	E-MARK PROCEDURE				Walking results	130.3	Km	Walking Results determination			QUALIFIED	