

VEHICLE EQUIPMENT SAFETY COMMISSION (VESC)
REGULATION V-3
MINIMUM REQUIREMENTS AND UNIFORM TEST PROCEDURES
FOR MOTOR VEHICLE BRAKE LININGS
BRAKE LINING TEST REPORT

Manufacturer: Xtender Automotive Corp Distributor: International Motor Products
CHINA USA

Identification Markings: XBP SQ-2412-FF

SUMMARY OF RESULTS FROM DATA SHEET

Normal Friction Coefficient = Average of "N" values 0.450
(Shall be over 0.25) Class F

Hot Friction Coefficient = Average of "H" values 0.444
(Shall be over 0.15) Class F

<u>Class Code</u>	<u>Coefficient of Friction</u>
C	Not Over 0.15
D	Over 0.15 But Not Over 0.25
E	Over 0.25 But Not Over 0.35
F	Over 0.35 But Not Over 0.45
G	Over 0.45 But Not Over 0.55
H	Over 0.55

Lowest Coefficient for readings marked (*) 0.360
(Shall not be less than 0.15)

Maximum absolute variation below average for readings marked (*) 0.080
(Shall not exceed 0.050 unless percentage variation is 20% or less)

Maximum percentage variation for readings marked (*) exceeding 0.050 below average 17.81 %

I certify that the above results were obtained on tests conducted in accordance with Vehicle Equipment Safety Commission Regulation V-3 on a seven sample lot from the linings submitted by the manufacturer as being representative of those regularly manufactured and marketed by him.

This test report issued in Adobe® Acrobat® format only.

Original retained on file at

Date: 05 November 2021

Signature: _____

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VEHICLE EQUIPMENT SAFETY COMMISSION (VESC)

REGULATION V-3

DATA SHEET

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Test No. Test Date	FRICTION COEFFICIENT (μ)					Average	Maximum Variation Below Average
	M22-709-01 13 Oct 21	M22-709-02 14 Oct 21	M22-709-16 22 Oct 21	M22-709-17 23 Oct 21	M22-710-05 05 Nov 21		
Appl. No.	<u>First Baseline Run</u>						
1	0.30	0.32	0.34	0.36	0.31	0.326	
20	0.45	0.44	0.49	0.48	0.42	0.456	
Temp (°F)	<u>First Fade Run</u>						
200	0.44	0.41	0.48	0.49	0.41	0.446	
550	0.42	0.41	0.42	0.43	0.33	0.402	
Min at 550°F	4.7	4.6	4.6	4.6	4.9		
°F at 10 min	--	--	--	--	--		
Temp. (°F)	<u>First Recovery Run</u>						
500	0.46	0.49	0.52	0.50	0.37	0.468	
400	0.48	0.44	0.56	0.51	0.44	H 0.486	
300	0.50	0.45	0.54	0.51	0.46	H 0.492	
200	0.45	0.42	0.52	0.50	0.43	0.464	
Appl. No.	<u>Wear Run</u>						
1	0.48	0.46	0.52	0.51	0.44	0.482	
100	0.40	0.44	0.47	0.50	0.44	0.450	
Temp. (°F)	<u>Second Fade Run</u>						
200	* 0.43	* 0.41	* 0.42	* 0.42	* 0.51	N 0.438	0.028
250	* 0.40	* 0.45	* 0.47	* 0.46	* 0.49	N 0.454	0.054 11.89%
300	* 0.39	* 0.45	* 0.48	* 0.47	* 0.50	N 0.458	0.068 14.85%
400	* 0.37	* 0.45	* 0.46	* 0.48	* 0.49	N 0.450	0.080 17.78%
450	* 0.36	* 0.43	* 0.45	* 0.49	* 0.46	H 0.438	0.078 17.81%
500	* 0.36	* 0.44	* 0.44	* 0.47	* 0.46	H 0.434	0.074 17.05%
550	* 0.37	* 0.43	* 0.44	* 0.47	* 0.40	H 0.422	0.052 12.32%
600	0.36	0.44	0.44	0.45	0.34	H 0.406	
650	0.34	0.41	0.41	0.38	0.30	H 0.368	
Min at 650°F	5.8	5.8	5.8	5.9	6.5		
°F at 10 min	--	--	--	--	--		
Temp. (°F)	<u>Second Recovery Run</u>						
600	0.39	0.47	0.48	0.41	0.34	0.418	
500	0.41	0.49	0.50	0.47	0.38	H 0.450	
400	0.45	0.48	0.51	0.51	0.42	H 0.474	
300	* 0.44	* 0.48	* 0.49	* 0.52	* 0.44	H 0.474	0.034
200	* 0.43	* 0.43	* 0.45	* 0.51	* 0.45	0.454	0.024
Appl. No.	<u>Second Baseline Run</u>						
1	0.43	0.45	0.46	0.51	0.48	0.466	
20	0.41	0.38	0.51	0.51	0.51	0.464	

VEHICLE EQUIPMENT SAFETY COMMISSION (VESC) REGULATION V-3 AVERAGE DATA GRAPH

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