

**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 1-FF

**SUMMARY OF RESULTS FROM DATA SHEET**

**Normal Friction Coefficient** = Average of "N" values      0.447  
(Shall be over 0.25)      Class F

**Hot Friction Coefficient** = Average of "H" values      0.441  
(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 (\*)      0.370  
(Shall not be less than 0.15)

Maximum absolute variation below average for readings marked (\*)      0.046  
(Shall not exceed 0.050 unless percentage variation is 20% or less)

Maximum percentage variation for readings marked (\*) exceeding 0.050 below average      None

I certify that the above results were obtained on tests conducted in accordance with Vehicle Equipment Safety Commission Regulation V-3 on a five 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  
Greening Testing Laboratories, Inc.



Date: 04 September 2019      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 ( $\mu$ )					Average	Maximum Variation Below Average
	M22-650-11 28 Aug 19	M22-650-12 29 Aug 19	M22-650-25 04 Sep 19	M22-651-01 04 Sep 19	M22-651-02 04 Sep 19		
Appl. No.	<b>First Baseline Run</b>						
1	0.50	0.53	0.45	0.48	0.54	0.500	
20	0.48	0.47	0.50	0.54	0.54	0.506	
Temp (°F)	<b>First Fade Run</b>						
200	0.49	0.48	0.51	0.54	0.55	0.514	
550	0.46	0.46	0.43	0.43	0.44	0.444	
Min at 550°F °F at 10 min	5.4 --	5.3 --	5.3 --	5.2 --	5.0 --		
Temp. (°F)	<b>First Recovery Run</b>						
500	0.47	0.47	0.43	0.44	0.45	0.452	
400	0.48	0.48	0.45	0.47	0.47	H 0.470	
300	0.48	0.49	0.47	0.49	0.48	H 0.482	
200	0.47	0.49	0.43	0.48	0.46	0.466	
Appl. No.	<b>Wear Run</b>						
1	0.46	0.48	0.44	0.46	0.47	0.462	
100	0.48	0.44	0.42	0.42	0.43	0.438	
Temp. (°F)	<b>Second Fade Run</b>						
200	* 0.45	* 0.44	* 0.39	* 0.40	* 0.42	N 0.420	0.030
250	* 0.50	* 0.47	* 0.43	* 0.43	* 0.45	N 0.456	0.026
300	* 0.50	* 0.46	* 0.45	* 0.44	* 0.45	N 0.460	0.020
400	* 0.48	* 0.45	* 0.44	* 0.44	* 0.44	N 0.450	0.010
450	* 0.48	* 0.45	* 0.43	* 0.43	* 0.43	H 0.444	0.014
500	* 0.47	* 0.44	* 0.42	* 0.43	* 0.43	H 0.438	0.018
550	* 0.47	* 0.44	* 0.42	* 0.42	* 0.43	H 0.436	0.016
600	0.46	0.44	0.40	0.41	0.42	H 0.426	
650	0.43	0.41	0.37	0.38	0.40	H 0.398	
Min at 650°F °F at 10 min	7.6 --	7.7 --	8.8 --	8.3 --	8.1 --		
Temp. (°F)	<b>Second Recovery Run</b>						
600	0.46	0.44	0.38	0.40	0.41	0.418	
500	0.47	0.45	0.40	0.42	0.43	H 0.434	
400	0.47	0.45	0.41	0.43	0.44	H 0.440	
300	* 0.47	* 0.45	* 0.42	* 0.44	* 0.44	H 0.444	0.024
200	* 0.45	* 0.43	* 0.37	* 0.42	* 0.41	0.416	0.046
Appl. No.	<b>Second Baseline Run</b>						
1	0.48	0.44	0.38	0.41	0.43	0.428	
20	0.54	0.51	0.46	0.48	0.49	0.496	



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

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