

ABOUT US

Brake Industry is one of the fastest growing Auto Component sectors in India and so the demand for reliable quality Friction Materials viz, Brake Linings , Brake shoes, Brake Pads for Motor cycles to cars and commercial vehicles have been witnessing many fold increase in domestic and export markets as well. Malfunctioning of these critical parts not only endanger safety of lives and properties but also challenge a company's very existence in the business. Unlike in the West / EU / SA / GCC countries , India yet to formulate legislative / technical / safety & health requirements for Friction Materials being used in the after - market. But of late, it became mandatory for Indian exporters to comply above standards (E` mark / Edge code etc.) of importing countries and Fricmart provide them with complete testing and technical solutions to meet the standard requirements.

Fricmart™ is a team of Technocrat - Entrepreneurs with decades of experience in Design Manufacturing, R & D and Testing of Friction Materials and one of the leading Technical know-how providers in the field of Friction Materials viz Brake Liners , Brake pads , Brake Shoes used in Automotives, Industrial /off high ways and Railways. **Fricmart** have many clients in domestic and international markets. The Lab is recognized as a neutral, 3 rd party and referral test lab by reputed manufacturers of Friction Materials, Brake system and Vehicle OEMs ; Homologation Labs , Indian Railways, Defence , Universities , Academicians and Research scholars from India and abroad.



OUR EMINENT CLIENTELE



INDIAN FRICTION MATERIAL ENGG. CO.

Head Office

F-186/ S-2, Dilshad Colony,
New Delhi – 110 095 India,
Ph. :+ 91 11 40451740.

Works

Plot No. C-41 Sector-B2, Tronica City Indl. Area,
UPSIDC, Loni ,
Ghaziabad – 201 103 (U.P) India.

SERVICES OFFERED

- ▶ Raw Materials
- ▶ Speciality Additives
- ▶ Master Batch & Mixes
- ▶ Technical Reports
- ▶ Testing & Equipments
- ▶ Process Engineering
- ▶ Plant & Machinery
- ▶ Turnkey Projects
- ▶ Tribology Solutions for Friction Materials

Mob.:+ 91-9643126615, +91-9582180826

E-mail :fricmart1@gmail.com, Website : www.fricmart.com

● BRAKE LININGS ● BRAKE SHOES ● BRAKE PADS ● CLUTCH FACINGS ● SINTERED FRICTION MATERIALS

Sl. No.	Name of Test	Unit	Method/Standard
1	Density / Sp. Gravity	gm/cc	BS:AU 142/JASO C-444/IS2742
2	Hardness / Rockwell	HR - R, L, S	ISO 2039-2/ IS2742-2014
3	Porosity	%	JASO C-444
4	Acetone Extraction	% wt	BS: AU 142/JASO C-444/ IS2742
5	Loss on Ignition/ Ash Content	% wt	BS: AU 142/ JASO C-444/ IS2742
6	Heat Expansion	%	ISO 6313 &
7	Compressibility Cold / Hot Test	%	ISO 6310 / SAE J-2468
8	Heat Swell	mm	IS 2742 - 2014/SAE J-160
9	Water Swell	mm	IS 2742 -2014
10	Bond Shear Strength	kg/cm ²	ISO 6312 / SAE J-840
11	Internal Shear / Plain Shear	kg/cm ²	ISO 6311 / IS 2742-2014
12	Cross Breaking (CBS) / Transverse Rupture Strength (TRS)	kg/cm ²	IS 2742-2014/ BS:AU 142
13	Seizure to Ferrous Strength surface due to corrosion	Force - N	ISO 6315
14	Internal Shear Strength after prolonged exposure to Water, Salt Water Lube Oil, Brake Fluid etc.	kg/cm ²	ISO 6311,6312 & ISO 6314 (Group I-V)
15	Coeff. of Friction & Wear (F.A.S.T. TEST) Mean Coeff. of Friction Friction vs Time/Temp./Drag Specific wear Rate	μ in 3 / HP / Hr	Ford Motors Std.
16	Coeff. of Friction & Wear (CHASE TEST) Normal Friction Coeff. Hot Friction Coeff. Wear in thickness Wear in weight Rating Edge Code	μ μ mm grams Edge Code	BS : AU 142/SAE J661/ISO7881 ISO 7881/ IS 2742-2014 JASO C- 418SAE J866
17	Coeff. of Friction & Wear (KRAUSS TEST) Mue - Cold/ Operation / Perfomance Mue - Lowest / Minimum / Fade Mue Highest / Max/ Recovery Wear in thickness Wear in weight	μ μ μ mm grams	ECE - R 90 (Rev. 3 Amend.2 Annex-9 Part-A. Sec. 2/Sec.3)
18	Coeff. of Friction & Wear (SCALE RIG TEST) Normal friction coeff. Hot Friction Coeff. Wear in thickness / Weight	μ μ mm / grams	IS 3649-2001
19	(FULL SCALE INERTIA DYNAMOMETER TEST) For 2 / 3 WHEELER & PASSENGER CARS- As per Special / OEM Std.- Perf. Wear & Fade Schedules.		IS 13453 / AK Master / FMVSS/ JASO C406 / SAE J2522 / SAE J 2430
20	NON ASBESTOS TEST Identification & Qualitative Analysis : Presence of Asbestos fibers / Non Asbestos	Affirming Non - Asbestos	ISO 2262 - 1 Stereo - PLM & DS Technique.

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