



AMRISH FLUID CONTROLS PRIVATE LIMITED

Manufacturers & Exporters of Rubber Products

P R O F I L E



INTRODUCTION :

Located in Mumbai, India ,a technological rubber product manufacturing unit named Amrish Fluid Controls(AFC) was established in the year 1993.The main feature in **AFC** is to manufacture Rubber Bearing Bushes of various sizes, Seals for Bearings, Oil Seals, O-rings, Engine Mounts, Diaphragms etc.

MANPOWER/ TURNOVER :

The Company's turnover is presently in the neighbourhood of Rs 100 million and is poised for a big boost in the year to come and is likely to reach Rs. 120 million by the end of 2009.

Its turnover is integrated into its sister concern units thus covering 6000 sq.ft.area with 120 employees headed by Qualified, Experience and Technical staff.

The other main features in our Associates are to manufacture Vibration Isolators, Boots & Bellows, Antistatic Rubber Bushes of Spacer Damper used in High Voltage Electrical Transmission Line of 400 KV & above, Rubber Components for LPG (Cooking gas) regulators, Valves and Meters, Diaphragms, Diffuser Bushes, Cable connectors & any type of Rubber molded & Rubber to Metal Bonded parts as specified by our valued customers.

OUR SISTERN CONCERN UNITS ARE AS UNDER :

OIL SEALS CORPORATION.
AMRISH POLYMERS.
AMRISH RUBBER PRODUCTS.
INDUSTRIAL ENGINEERING SERVICES.
RELIANCE ELECTROMECH INDUSTRIES.

PERSONS TO BE CONTACTED :

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TECHNICAL EXPERTISE :

Ours is a technical team having more than two decades experience of research and application of rubber compounding and designing of the product to the user's satisfaction.

Users of rubber products rightly expect that it must comply both chemically and physically with a broad spectrum of differing requirements. Technically, it must be able to withstand the engineers needs easily and effectively, having good economic sense as well . Although, rubber has for a long time been indispensable to the engineer, it's development has been empirical based on trial and error rather than on scientific design. Some of its particular virtues, for example its compressibility and elasticity, are characteristics which are hard to reconcile with the engineering standards of precision.

We have, for quite a long time devoted much attention to work, designed to increase our knowledge of the physical properties of rubber, to comply with the future challenges to design articles in which rubber takes its part, with the same confidence as that with which one can design in metal.

We have specialized knowledge in processing of Oil & Petroleum resistance compounds, based on Polyacrylic, Vamac, Nitrile, Carboxylated and Hydrogenated Nitrile(Therban), Silicone, Viton, Fluorosilicone and Epichlorohydrine Rubber. These compounds are used in manufacturing of various Automotive & Engineering components including LPG regulators, valves and meters to prevent leakage at normal & high temperature and pressure. Rubber being hydrocarbon, we always take care of protecting the same from oxygen, ozone, heat, light, U.V.Radiation etc., whether specified or not.

To make it more scientific, we have been making considerable annual investment in research and development work, the expenditure of which has already repaid itself. In the past several years, we have been benefitted by getting more valuable orders from leading companies manufacturing auto, electrical, process pump, pneumatic, hydraulic and various other engineering products

We are pleased to let you know that as the requirement of ecologically friendly environment, we have developed the formulations to inhibit or eliminate the formation of Nitrosoamines. These formulations developed by us are used to manufacture the rubber articles which comes in contact with food stuff and drinking water satisfy the FDA status USA FDA CFR 177.2600 and NOR : ECCOC 9400131A.



LIST OF MACHINERIES

Sr. No.	Particulars of Machine	Size / Capacity	Quantity (Nos.)
01	Mixing Mill	12" x 30"	02
02	Extruder	2"	01
03	Rubber Injection Moulding Machine	560x630	01
04	Vacuum Compression Moulding Machine	450x450	02
05	Compression Moulding Press Auto Controlled	10" x 10"	04
06	Compression Moulding Press Auto Controlled	12" x 12"	07
07	Compression Moulding Press Auto Controlled	14" x 14"	05
08	Compression Hydraulic Moulding Press	14" x 14"	05
09	Compression Hydraulic Moulding Press	18" x 18"	01
10	Manually Operated Moulding Press	10" x 10"	08
11	Manually Operated Moulding Press	12" x 12"	13
12	Manually Operated Moulding Press	14" x 14"	04
13	Hydro Pneumatic Moulding Press	12" x 12"	02
14	Bench Grinders	0.5 H.P.	05
15	SPM - For Deflashing		08
16	Electronic Weighing Balance		03
17	Air Ageing Ovens For Post Curing		04
18	Lathe Machines		04
19	Automatic Spring Forming Machine for Oil Seals		01
20	Automatic Lip Trimming Machine for Oil Seals		01



QUALITY ASSURANCE METHODS & EQUIPMENTS

Sr. No.	Quality to determine	Test Method	Equipment to be used
01	Hardness Shore 'A'	ISO : 7619 ASTM 2240 DIN 53505 IS : 3400 Part II BS : 903/A-57	Hardness Durometer Shore 'A'
02	Hardness IRHD	ISO-R-48 ASTM 1415 DIN 53519/1 BS : 903/A-26	IRHD Hardness Tester
03	Curing Properties	ASTM D-5289	Oscillating Disc Rheometer
04	Specific Gravity	ISO 2781 ASTM 297/15 DIN 53479 BS : 903/A-1	Specific Gravity Balance
05	Tensile Strength	ISO 37 ASTM D412 DIN 53504 IS : 3400 Part I BS : 903 / A-2	Computerised Tensile Universal Testing Machine
06	Elongation at break	ISO 37 ASTM D412 DIN 53504 IS : 3400 Part I BS : 903 / A-2	Computerised Tensile Universal Testing Machine
07	Modulus	ISO 37 ASTM D412 DIN 53504 IS : 3400 Part I Bs : 903/A-2	Computerised Tensile Universal Testing Machine
08	Tear Strength	ISO 34 ASTM D624 A DIN 53515 IS : 3400 BS : 903/A-3	Computerised Tensile Universal Testing Machine



Sr. No.	Quality to determine	Test Method	Equipment to be Used
09	Compression Set	ISO 815 ASTM D 395 "B" DIN 53517/1 IS : 3400 Part X BS : 903/ A-6	Compression set fixture
10	Resilience	ISO 4662 ASTM D 1054 DIN 53512 IS : 3400 Part XI BS : 903/A-8	Rebound Resilience Testing Machine
11	Abrasion Resistance	DIN 53516 IS : 3400 Part III	DIN Abrasion Resistance Testing Machine
12	Ash Content	ISO : 247 ASTM : D1416-20 DIN : 53568/2 BS : 7164/5	Muffle Furnace
13	Ageing Properties in Air	ISO 188 ASTM : D573 DIN 53508 IS : 3400 Part IV BS : 903/A-19	Ageing Oven with 7 cells.
14	Ageing Properties in Media	ISO 1817 ASTM : D471 DIN 53521 IS : 3400 Part VI BS : 903/A-16	Oven
15	Lip Opening Pressure of Oil Seals.	SAE J- 946 Air Flow Method	Lip Opening Pressure Test Rig.
16	Tension of Spring		Computerised Tensile Universal Testing Machine
17	Dimension and Cross Section Inspection	10X , 20X	Profile Projector
18	Weight		Scientific Balance