



MITSUFUKU
COMPOUND PRIVATE LIMITED



COMPOUNDING
EXPERTS

Mitsufuku group is a multi-national group with presence in Japan, South Korea, Thailand and India focusing its strength on rubber compounding. With Global vision, the group has broadened its reach by partnering in technical co-operation with Woo Shin Chemical Co. Ltd in Korea, CS MITSUFUKU Elastomers Co., Ltd in Thailand and established Mitsufuku Compound Pvt Ltd (100% Subsidiary of Mitsufuku Japan) in India.

synopsis

The flagship company- Mitsufuku Industry Co., Ltd. founded in 1948, is a leading player in the field of rubber and plastics supplied in compound and master batch form. The company caters its market with cutting edge technology and customer satisfied deliverance through its Seven plants located in Japan.

Mitsufuku Compound Pvt Ltd is another milestone of the group with the mission to cater to the growing needs in the emerging Indian rubber compound market. With novel machines, State of the Art laboratory and acclaimed Japanese technical support the company is making head way in the Indian market.

vision

Mitsufuku visualizes India having great potential in establishing itself as a manufacturing hub for various kind of Industries like Engineering, Automotive, Defence, Aerospace, Railways etc.

It wishes to participate in this unique growth opportunity by offering high quality technical products to India, bringing in the technical expertise on formulation design and production techniques.

"To generate an intense customer loyalty by providing the highest quality products and services at all times through innovative engineering and problem solving.

To create a family atmosphere in which employees flourish and where teamwork, responsibility and personal satisfaction are highly valued."

mission

culture

Mitsufuku Compound and its employees are committed to the principles of integrity, confidentiality, innovation, hard work, and respect.

We strive to develop a close professional relationship with our customers to better understand their problems and needs. We seek to constantly improve our engineering and manufacturing capabilities in order to provide for our customers the highest quality products, in the least possible cycle time, at the best value.

our products

Mitsufuku Compound visualizes a potential in developing a business partnership with rubber product manufacturers by offering **CARBON MASTER BATCHES** to enable them to maintain a clean manufacturing environment and minimizing in-house compounding operations.

Users can focus their resources on post compounding operations without compromising on their recipes.

The company product range includes Black & Coloured Compounds as given below :

- General Purpose Polymer Based Compounds :
NBR, EPDM, SBR, IIR, CR, NR, Etc.
- Specialty Polymer Based Compounds :
FKM, FFKM, ECO, ACM, AEM, HNBR, AFLAS.
- Compounds in **MASTERBATCH FORM** available for all above Polymers.
- Customised **RUBBER COMPOUNDS.**



Made to order Rubber Compounds as per customer formulations ensuring secured customer data.

We are confident in meeting the complex and stringent requirements of our valued customers maintaining high level of confidentiality.

why MITSUFUKU

- 100% Japanese subsidiary
- Tailor made compounds
- Leading supplier for speciality compounds in Japan
- Trusted name for quality compounds
- Reliable partner for your growth
- Japanese technical supervision round the year
- Temperature controlled mixing for FKM Compounds
- Strategic location for easy mobility
- Aluminium Pouch packing for speciality compounds



The Plant is equipped with high quality production machines procured from Taiwan, enabling a high level of control on process parameters. We therefore can supply compounds with good level of batch to batch consistency.

We have young, experienced and motivated team of Production and Quality control personnel, who are regularly trained and updated by a team of Japanese technical personnel stationed at site for supervising the plant operations, round the year.



testing facility



- In-house Laboratory for testing Rubber Compounds.
- Compound test reports with each supply (Rheometrics).
- Counter samples of each lot preserved, up to 3 months, for future reference and traceability.
- Weighment records for production batches.
- State-of-the-art Metal Detector for avoiding contamination (Metal Particles).
- Control and recording of In process parameters.
- ISO 9001:2015 Certified.
- We can share critical Process Control Parameters on Mutually Agreed Terms.



development facility



Mitsufuku Compound is equipped with laboratory scale compounding equipments for development of customer specified compounds and formulation improvements on a continuous basis.

We are not limited to large production runs. We will gladly accept small volume orders. Having this in house capability allows us to maintain tight control over material quality and response times.

GENERAL PURPOSE RUBBER COMPOUND

Grades & Properties

Grade	Hardness	Tensile Strength	Elongation at Break	Specific Gravity	Special Ageing Data available		
Unit	Shore A	MPa	%	***	***		
Test Method	ASTM D 2240	ASTM D 412	ASTM D 412	ASTM D 297	ASTM	Application	Speciality
HNBR Black color Compound							
MHNBR-ET60B	64	20.74	830	1.170	NA	Extruded Tubes	
MHNBR-PM70B	72	22.6	355	1.230	Heat Ageing, Cset	O-Ring, Seals	STD Compound
MHNBR-LT70B	72	17.14	487	1.260	NA	O-Ring, Seals, Packer Element	Low Temperature
MHNBR-PM75B	75	29.05	373	1.170	C Set, Heat Ageing, Oil Ageing	Packer Element	
MHNBR-PM80B	81	26.57	351	1.180	C Set, Heat Ageing, Oil Ageing	Packer Element	
MHNBR-PM90B	88	19.56	100	1.320	C Set at 150°C @ 72Hrs (18%)	High Pressure O-Ring	Excellent C Set
MHNBR-PM90B	91	27.45	254	1.200	C Set, Heat Ageing, Oil Ageing	Packer Element	
HNBR Non-Black color Compound							
MHNBR-M65GY	63	33.02	640	1.140	NA	Pneumatic seals	
MHNBR-M70GY	67	34.55	598	1.150	NA	High Pressure Molded Product	
MHNBR-PM70BR	68	30.27	582	1.182	NA	Rubber to Metal Bonding Seal	
NBR Black color Compound							
MNBR-DP40B	43	8.34	661	1.050	NA	Diaphragm	
MNBR-BL50B	53	17.78	732	1.181	NA	Bellow	
MNBR-FB65B	66	17.18	422	1.166	NA	Rubber to Fabric Bonding	
MNBR-CS70B	71	18.10	352	1.240	Compression set	O-Ring	C set below 20 %
MNBR-LT70B	72	17.44	285	1.183	NA	Rubber to Metal Bonding	-50 Low Temp.
MNBR-MHT75B	75	22.07	313	1.230	NA	High Pressure O-ring	Reach & RoHS
MNBR-MHT80B	77	24.04	392	1.210	Compression set	High Pressure Metal Bonding	
NBR Non-Black color Compound							
MNBR-MB70CBR	67	17.81	523	1.226	NA	Rubber to Metal Bonding	
MNBR-MB80BR	77	17.77	484	1.37	NA	Rubber to Metal Bonding	Roller
MNBR-OR80BL	80	21.63	476	1.277	NA	High Pressure O-Ring	
EPDM Black & Non-Black color Compound							
MEP-M35B	33	9.08	918	1.12	NA	Gromet	Low Hardness
MEP-PM60B	59	19.30	693	1.04	CS(31%@100°C 70 Hrs), Heat Aging	casings, bellows, couplings, grommets	C set
MEP-FR70B	72	12.50	317	1.17	C Set, Heat Aging, TR 10	Flatted Ring	
CR Black color Compound							
MCR-PS60B	61	19.32	454	1.35	NA	Pneumatic Seals	
MCR-FB65B	65	17.64	337	1.37	NA	Rubber to Fabric Bonding	
ACM Black & Non-Black color Compound							
MACM-M65B	66	11.77	210	1.331	NA	Oil Seal	
MACM-M70B	73	11.35	210	1.308	NA	O-Ring	
MACM-MB70GN	70	11.92	308	1.406	NA	Rubber to Metal Bonding Seal	
ECO Black & Non-Black color Compound							
MECO-E70B	71	12.17	517	1.45	C Set, Heat Aging, Fuel, Oil Aging	Extruded Fuel Hose	
MECO-DBL70B	68	10.27	543	1.43	C Set, Heat Aging, Fuel, Oil Aging	Extruded Fuel Hose	
MECO-EH70B	70	13.53	280	1.39	NA	Extruded Fuel Hose	
NR Color Compound							
MNR-M50RD	50	22.93	725	1.187	NA	Coupler	Light Pink
MNR-M35IV	35	14.84	788	1.116	NA	Coupler	Light Ivory
XNBR Black & Non-Black color Compound							
MXNBR-M80B	82	21.46	364	1.21	NA	Molding	
MXNBR-M80GY	81	21.95	368	1.23	NA	Molding	
MXNBR-M80RD	82	24.63	378	1.21	NA	Molding	

All numbers in this catalogue are not guaranteed Values.

FFKM, AFLAS, FKM

Grades & Properties

Grade	Hardness	Tensile Strength	Elongation at Break	Specific Gravity	Special Ageing Data available	Application	Speciality
Unit	Shore A	MPa	%	***	***		
Test Method	ASTM D 2240	ASTM D 412	ASTM D 412	ASTM D 297	ASTM		
FFKM Black color Compound							
MFFKM-CB097	73	20.62	208	2	C set@230°C for 336hrs(13.8 %)	O-Ring	Chemical and Heat Resistance
AFLAS Black color Compound							
MAFLASH-M70B	68	18.40	439	1.59	Heat Ageing, C set	Packers & AED	Heat Resistance and AED
MAFLAS-M60B	60	17.71	602	1.55	Heat Ageing	Moulded Component	Heat Resistance
MAFLAS-M70B	70	19.07	317	1.60	Heat Ageing, C set	Moulded Component	Heat Resistance
MAFLAS-M80B	84	15.43	224	1.64	NA	Moulded Component	Heat Resistance
MAFLAS-M90B	88	16.56	180	1.65	Heat Ageing, C set	Moulded Component	Heat Resistance
FKM Black color Compound							
MFKM-M50B	51	7.25	356	1.84	NA	Diaphragm	
MFKM-MHT55B	56	10.95	453	1.85	NA	High Tension O-Ring	
MFKM-M60B	62	8.38	316	1.84	Heat Ageing, Oil, C set etc.	STD Compound	O-Ring
MFKMG8-PM70B	68	20.85	396	1.80	NA	O-Ring	AED Application
MFKMLT-PM70B	68	17.76	182	1.78	NA	O-Ring	Low Temperature
MFKM-FG70B	72	10.70	278	1.83	NA	Packing Seals	FDA Complainece
MFKM-M70B	70	11.47	293	1.84	NA	STD Compound	
MFKM-MHT70B	71	15.20	326	1.85	NA	High Tension O-Ring	
MFKM-Duro70B	71	13.86	218	1.85	Heat Ageing, Fuel C	Heat aging at 275°C	Heat Resistance
MFKM-M75B	75	15.21	278	1.85	C Set, Heat Ageing, Oil Ageing	Rubber To Metal Bonding	
MFKM-MHT80B	85	16.82	161	1.85	C set@200°Cfor 24 Hrs(16.82%)	High Pressure	High Tensile and C set
FKM Non-Black Color Compound							
MFKM-M50BR	52	8.38	384	1.90	NA	Small Bellow	
MFKM-MB60NBL	63	9.73	366	2.02	NA	Seals	Rubber -Metal Bonding
MFKM-M70OR	73	11.99	200	2.00	NA	STD Compound	
MFKM-M70GN	70	13.24	200	1.92	C set@200°Cfor 24 Hrs(12%)	High Tensile	
MFKM-CS80GN	78	13.23	186	1.94	C Set@200°C for 70 Hrs(16%)	Flatted Ring	Compression Set
MFKM-M90BR	88	17.96	156	1.97	C Set@200°C for 70 Hrs(24%)	Flatted Ring	Compression Set
MFKM-M90RD	88	15.57	124	1.94	C Set@200°C for 70 Hrs(24%)	Flatted Ring	Compression Set

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: Head Office :

1603, Amore Edge, 16th Floor, Plot No. 128/B, S. V. Road,
Khar West, Mumbai 400 052, India

T : +91 8356935721 | E : info@mitsufuku.co.in

: Factory :

Plot No. 1227 & 1228, Sarigam G.I.D.C, Near Lalji Mulji Transport Company
Taluka - Umbergam, District - Valsad, Gujarat - 396 155, India

T : +91 9687690740 / 41 | E : admin@mitsufuku.co.in

www.mitsufuku.co.in