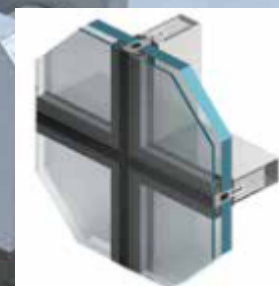




ZENITH RUBBER UK LTD.
Quality Rubber Solutions

RUBBER EXTRUDED PRODUCTS



CONTENT

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Introduction

Zenith Rubber UK, has been a leading manufacturer and exporter of high-quality industrial rubber sheeting products since its establishment in 1965. Over the years, Zenith has achieved remarkable success in the global market and has become recognized as a trusted supplier.

With a strong focus on delivering excellence, Zenith offers a diverse range of products including wear-resistant rubber sheets, antiskid flooring, waterproofing membranes, coated fabrics, rubber inflatables, rubber moulded and extruded profiles. These offerings showcase the company's expertise and commitment to providing solutions that meet the varied needs of customers.

-Zenith's dedication to quality and compliance is evident through its status as a government recognized export house. This recognition highlights the company's commitment to upholding industry standards and ensuring customer satisfaction.

Supported by advanced infrastructure, Zenith boasts an impressive production capacity with 4 Inter- mix, 4 calendar, 30 Rotocure lines and 8 press lines. This infrastructure investment allows the company to meet the demands of the market effectively and efficiently.

Complete Range

- Industrial Rubber Sheet - NR/SBR to Silicone & Viton
- Wear Resistant Rubber Sheet
- Anti-Skid Rubber Flooring & Matting
- Transit Rubber Flooring for Metros, Trains & Buses
- Water Proofing Membrane (EPDM)
- Coated Fabrics
- Inflatables Products
- Extruded Rubber Profiles
- Rubber Compounds
- Conveyor Belts & Its Components

EXTRUDED PRODUCTS



We specialize in manufacturing Extruded rubber products made up of various Polymers, Profiles, and Sizes. Our '55 meters' long microwave extrusion line supports short runs to long continuous length cure production. We offer tooling design and material formulation services in-house. Our extrusion products are UL compliance, FDA compliance, Flame-Retardant, Conductive & Non-conductive, and Weather & Ozone resistance. We manufacture a wide range of extrusion products in polymers such as EPDM, Chloroprene, Silicone, Butyl, CSM Rubber, Natural Rubber/SBR, FKM etc.

We supply Extruded Products to a wide range of industries such as Automotive, Mass-transit/ Railway, Architectural/Construction, and Pharmaceutical.

Accordingly, a modern microwave unit with excellent extruder and heating chambers has now been installed along with other necessary infrastructure like EDM wire cutting machine, profile, projectors etc. It is state of art new line with full PLC control system for temperature and line speed as well as tension control. It has capacity to produce around 3 MT of solid profile on daily basis depending upon dimensions and weight/ meter, Extrusion line has ability to produce profiles up to 120mm in width, 60 mm in height/diameter.

In order to implement future expansion plans, we have added 1200 sq meter of working space in the existing factory compound. We also upgraded our mixing equipment and mixing technology, rather than milling process now the mixed compound is taken out through TSS and CFE. The change in the technology has not only improved the dispersion and overall quality of the compound but also added substantial capacity in mixing. With the availability of additional compound and space for more processing equipment, addition of microwave based extrusion line was found to add synergy in ongoing business.

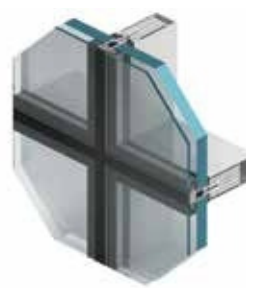
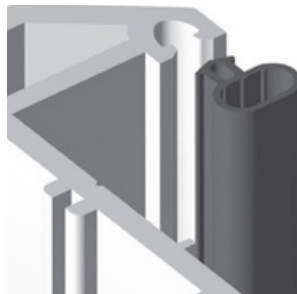
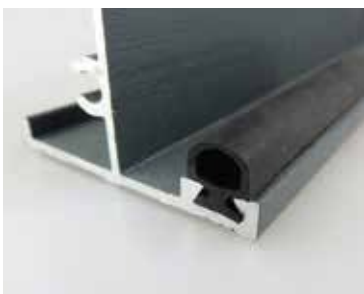
RUBBER PROFILES



RANGE OF RUBBER EXTRUDED PRODUCTS:

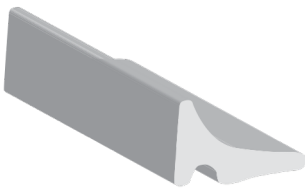
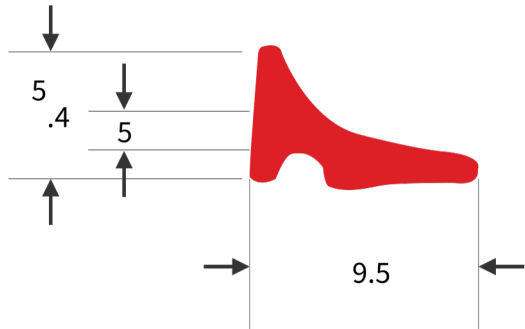
Our range includes solid as well as dense profiles in EPDM, NR/SBR, Neoprene, Nitrile and silicon rubber in hardness ranging from Shore A 40 to Shore A 90 with tolerance of ± 5 in all colors.

Our EPDM sealing gaskets and profiles are well received in Architectural, Automobile, Agricultural, Oil & Gas Industry as well as general purpose industrial application.

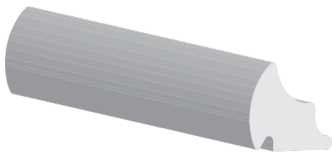
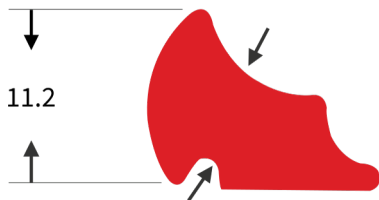


Rubber Profiles

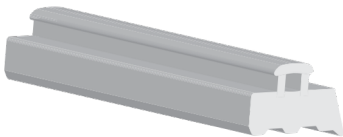
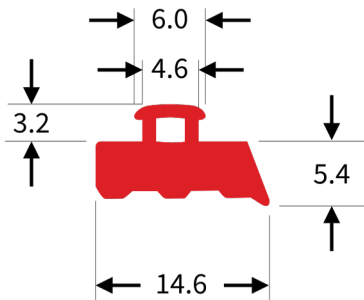
Filler Wedge Gasket - 1.5 mm



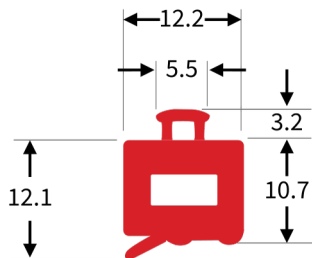
Glazing Gasket - 6.0 mm



Curtainwall Outer Gasket

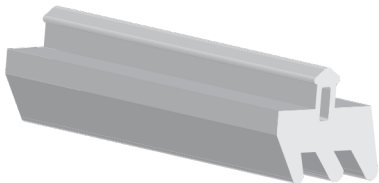
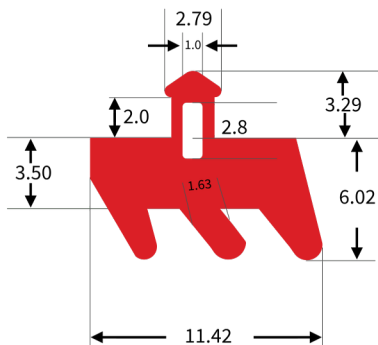
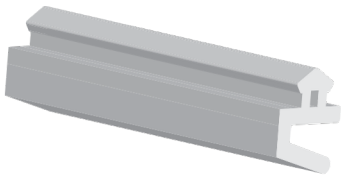
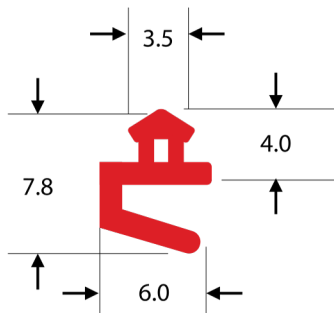
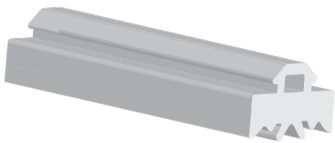
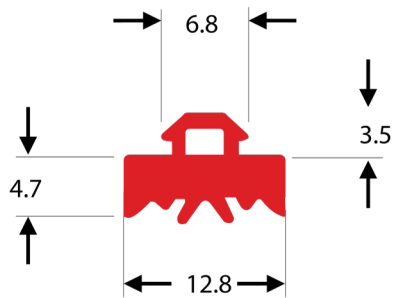


Curtainwall Inner Gasket - 4.5 mm

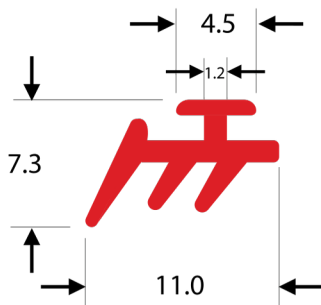


Rubber Profiles

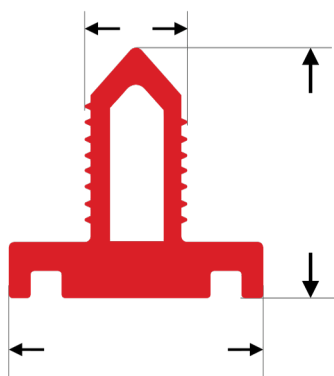
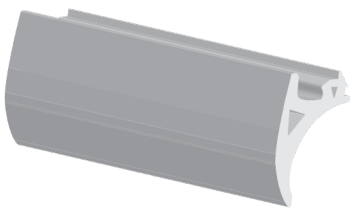
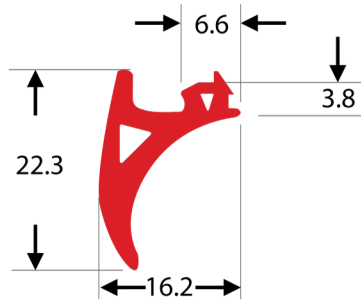
Curtainwall Gasket - 4.7 mm



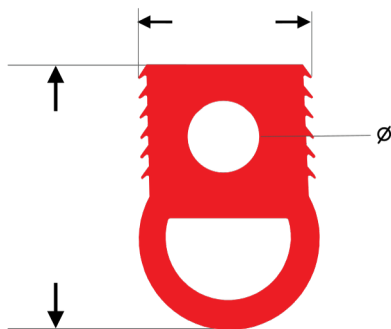
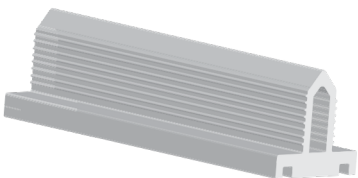
Glazing Gasket



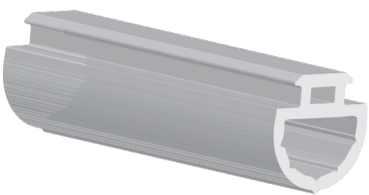
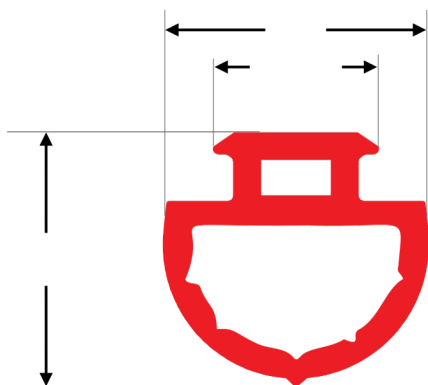
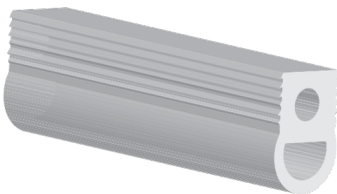
Rubber Profiles



Isolator Gasket

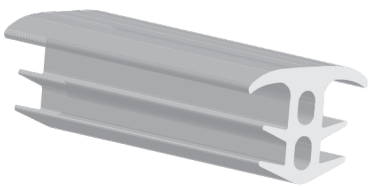
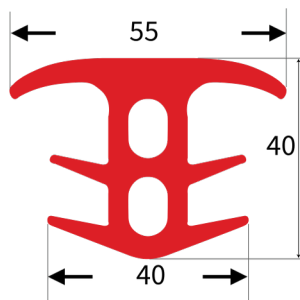


PRE, Plate

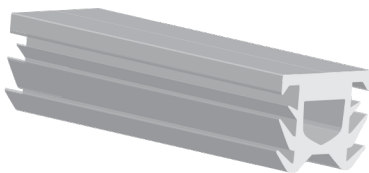
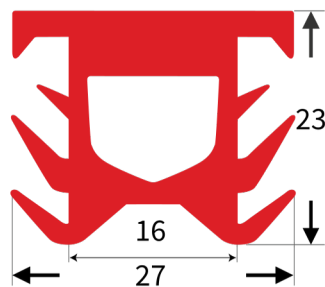


Rubber Profiles

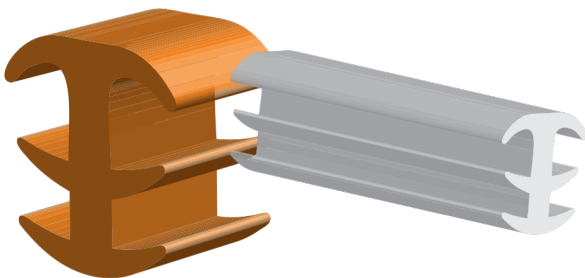
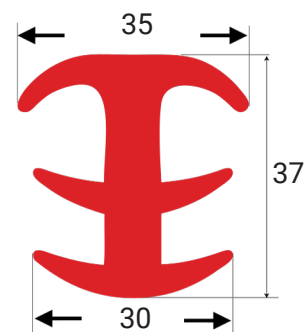
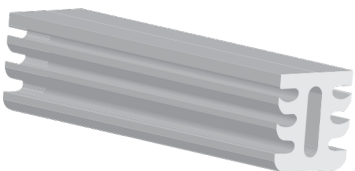
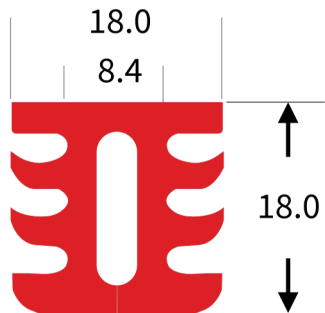
Dilatation profile



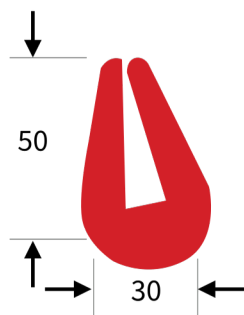
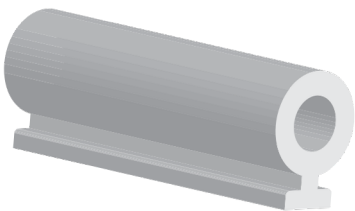
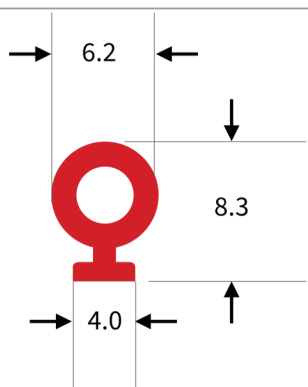
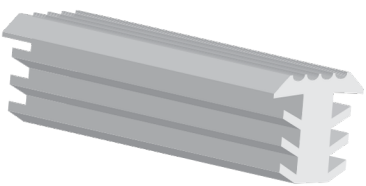
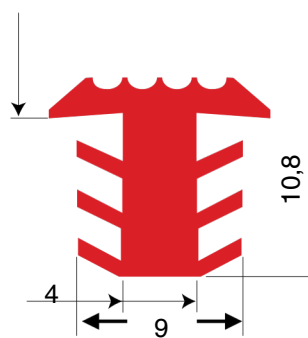
Dilatation profile



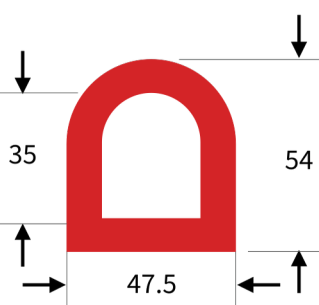
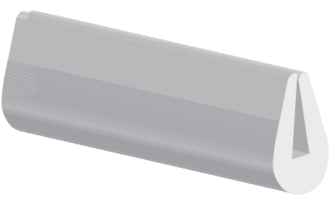
Ribbed Gasket - 18 X 18 mm



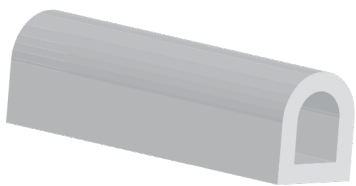
Rubber Profiles



U Strip Rubber
50mm X 30mm X 9mm

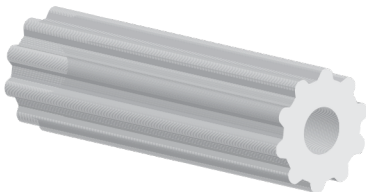
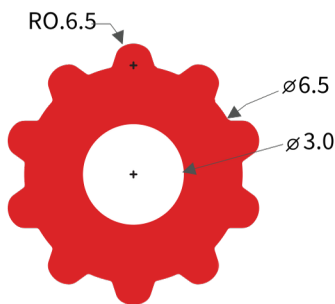
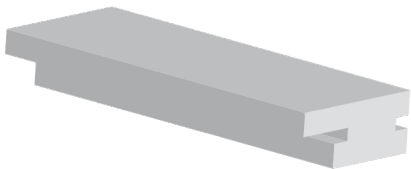
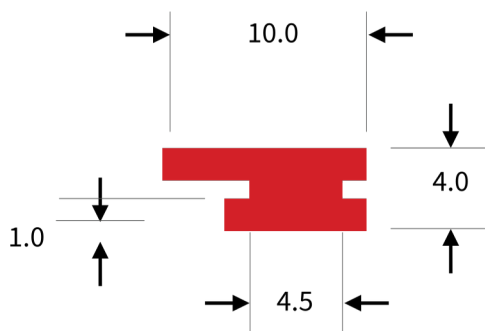
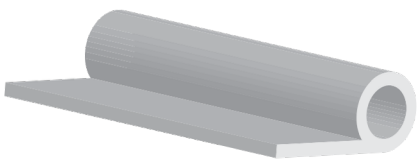
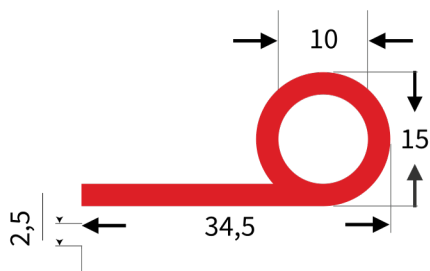


D Fender
50mm X 50mm X 10mm



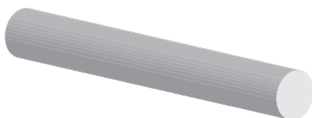
Rubber Profiles

P Profile



RUBBER CORD

(Diameter can be Customized)





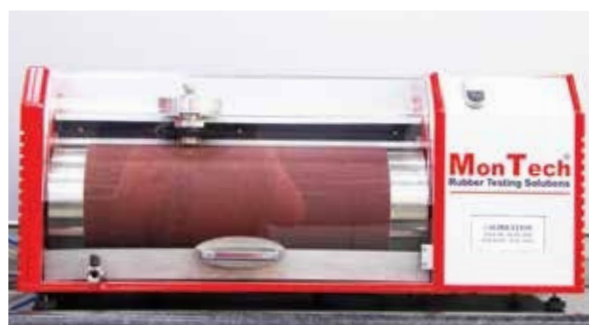
“ Testing Facility Accredited by The National Accreditation Board for Testing and Calibration Laboratories (NABL) As per ISO/IEC 17025:2017. ”

With over 5 decades of expertise in the rubber industry, Zenith has developed a state-of-the-Art Testing Facility that is **Accredited by The National Accreditation Board for Testing and Calibration Laboratories (NABL) As per ISO 17025:2005**. Zenith Rubber Labs offers Testing, inspection, verification, and certifications of rubber products.

We are committed to world-class rubber material research, development and testing through precise and advanced testing procedures and Equipment.

Zenith's extensive Research and Development facilities are approved by the Department of Science and Industrial Research (DSIR) of the Ministry of Technology, Government of India. They are available to investigate new products and materials to meet the client's specifications. To test the physical properties the lab has Tensile Test. Bench, Rheometers, Thermogravimetric analyzer (TGA), Dispersion Analyser, Spectrometer.

To test the chemical properties Zenith Rubber labs have Heating Ovens, Rebound Resilience Tester, Abrasion Tester, Specific Gravity Balance, Ozone Chamber.



Technical Specification

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	*1.15~1.70 ± 0.05	ASTM D297	*1.15~1.70 ± 0.05
HARDNESS	DIN 53505	*40~80 ± 5 Sh A	ASTM D2240	*40~80 ± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	*711~2133 PSI	ASTM D412	*50~150 kg/cm2
ELONGATION AT BREAK (min)	DIN 53504	*200~600 %	ASTM D412	*200~600 %
COMPRESSION SET (70°C/24 hrs/25% set) (max)	DIN 53517	*	ASTM D395 METHOD B	*
TEAR RESISTANCE (Angular) min	DIN 53515	*	ASTM D624	*
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70°C)			ASTM D573	
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 20		+ 10 / - 20
--- ELONGATION AT BREAK (%)		+ 20		+ 20
VOLUME SWELL : AT 70°C FOR 72 HRS/IN		10 % max	ASTM D 471	10 % max
POLYMER CONTENT (NITRILE)		100%		100%
--- OZONE		FAIR	ASTM D 1149	FAIR
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		MODERATELY		MODERATELY
TEMPERATURE RANGE		-30 ° to + 100° C		-30 ° to + 100° C
--- OILS		GOOD		GOOD
--- SOLVENTS		FAIR		FAIR
COLOUR		BLACK		BLACK

NOTE :- “ * “ DENOTES AS PER CUSTOMER REQUIREMENT AND STANDARD SPECIFICATIONS

Technical Specification

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	*1.15~1.70 ± 0.05	ASTM D297	*1.15~1.70 ± 0.05
HARDNESS	DIN 53505	*40~80 ± 5 Sh A	ASTM D2240	*40~80 ± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	*711~1422 PSI	ASTM D412	*50~100 kg/cm2
ELONGATION AT BREAK (min)	DIN 53504	*200~600 %	ASTM D412	*200~600 %
COMPRESSION SET (70°C/24 hrs/25% set) (max)	DIN 53517	*	ASTM D395 METHOD B	*
TEAR RESISTANCE (Angular) min	DIN 53515	*	ASTM D624	*
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70°C)			ASTM D573	
--- HARDNESS (Pts)		+ 3 (Max)		+ 3 (Max)
--- TENSILE STRENGTH (%)		+ 10 / - 10		+ 10 / - 10
--- ELONGATION AT BREAK (%)		+ 10 / - 10		+ 10 / - 10
VOLUME SWELL : AT 70°C FOR 72 HRS/IN			ASTM D 471	
IRM OIL NO.1		Not Recommended		Not Recommended
IRM OIL NO.2		Not Recommended	ASTM D 1149	Not Recommended
IRM OIL NO.3		Not Recommended		Not Recommended
POLYMER CONTENT (EPDM)		100%		100%
CHEMICAL RESISTANCE				
--- OZONE		EXCELLENT		EXCELLENT
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
TEMPERATURE RANGE		-40° to + 120°C		-40° to + 120°C
COLOUR		BLACK		BLACK

NOTE :- “ * “ DENOTES AS PER CUSTOMER REQUIREMENT AND STANDARD SPECIFICATIONS

Technical Specification

PROPERTIES	TEST METHOD	VALUES	TEST METHOD	VALUES
		FPS UNITS		METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	*1.12~1.70 ± 0.05	ASTM D297	*1.12~1.70 ± 0.05
HARDNESS	DIN 53505	*40~85 ± 5 Sh A	ASTM D2240	*40~80 ± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	*711~3840 PSI	ASTM D412	*50~270 kg/cm2
ELONGATION AT BREAK (min)	DIN 53504	*200~1000 %	ASTM D412	*200~1000 %
COMPRESSION SET (70°C/24 hrs/25% set) (max)	DIN 53517	*	ASTM D395 METHOD B	*
TEAR RESISTANCE (Angular) min	DIN 53515	*	ASTM D624	*
CHANGE IN PROPERTIES				
HEAT AGEING (72 hrs. AT 70°C)			ASTM D573	
--- HARDNESS (Pts)		+ 5 (Max)		+ 5 (Max)
--- TENSILE STRENGTH (%)		+ 10 / -25		+ 10 / -25
--- ELONGATION AT BREAK (%)		+ 10 / -25		+ 10 / -25
VOLUME SWELL : AT 70°C FOR 72 HRS/IN			ASTM D 471	
IRM OIL NO.1		Not Recommended		Not Recommended
IRM OIL NO.2		Not Recommended	ASTM D 1149	Not Recommended
IRM OIL NO.3		Not Recommended		Not Recommended
CHEMICAL RESISTANCE				
--- OZONE		FAIR		FAIR
--- DILUTE ACIDS AND BASES		Not Recommended		Not Recommended
--- CONCENTRATED ACIDS AND BASES		Not Recommended		Not Recommended
--- OILS		Not Recommended		Not Recommended
--- SOLVENTS		Not Recommended		Not Recommended
TEMPERATURE RANGE		-40° to + 70°C		-40° to + 70°C
COLOUR		BLACK		BLACK

NOTE :- “ * “ DENOTES AS PER CUSTOMER REQUIREMENT AND STANDARD SPECIFICATIONS