

# EPDM & TVRG



فومیران  
Foamiran



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Made in Iran

# TVRG

The TVRG foam sheet has unique qualities that make it an ideal and efficient choice for industries. The TVRG foam has a density of 20 to 70 (kg/m<sup>3</sup>). This fact is most important to some industries and has provided an easy access for other businesses.



## TVRG uses:

Bafoam foam sheets are made using the best quality materials and designed in highly equipped factories with advanced tools and hundreds of experts and engineers overseeing the process. The materials used in the products are healthy, efficient, and high quality. Because of this, the international market has always been very interested in Bafoam TVRG foams. Also, the manufactured products are consistently checked and overseen by quality supervisors to make sure that the final product has met all the criteria for internal and international standards.

Bafoam TVRG Foams have an IMS license, ISO2015 9001, and ISO14001.

Because of its premium quality and healthy materials, Bafoam TVRG foams can be used by different industries as the primary substance or the final product.

The packaging industries often use TVRG foams as protective covers for valuable items such as perfume bottles or other expensive breakable products.

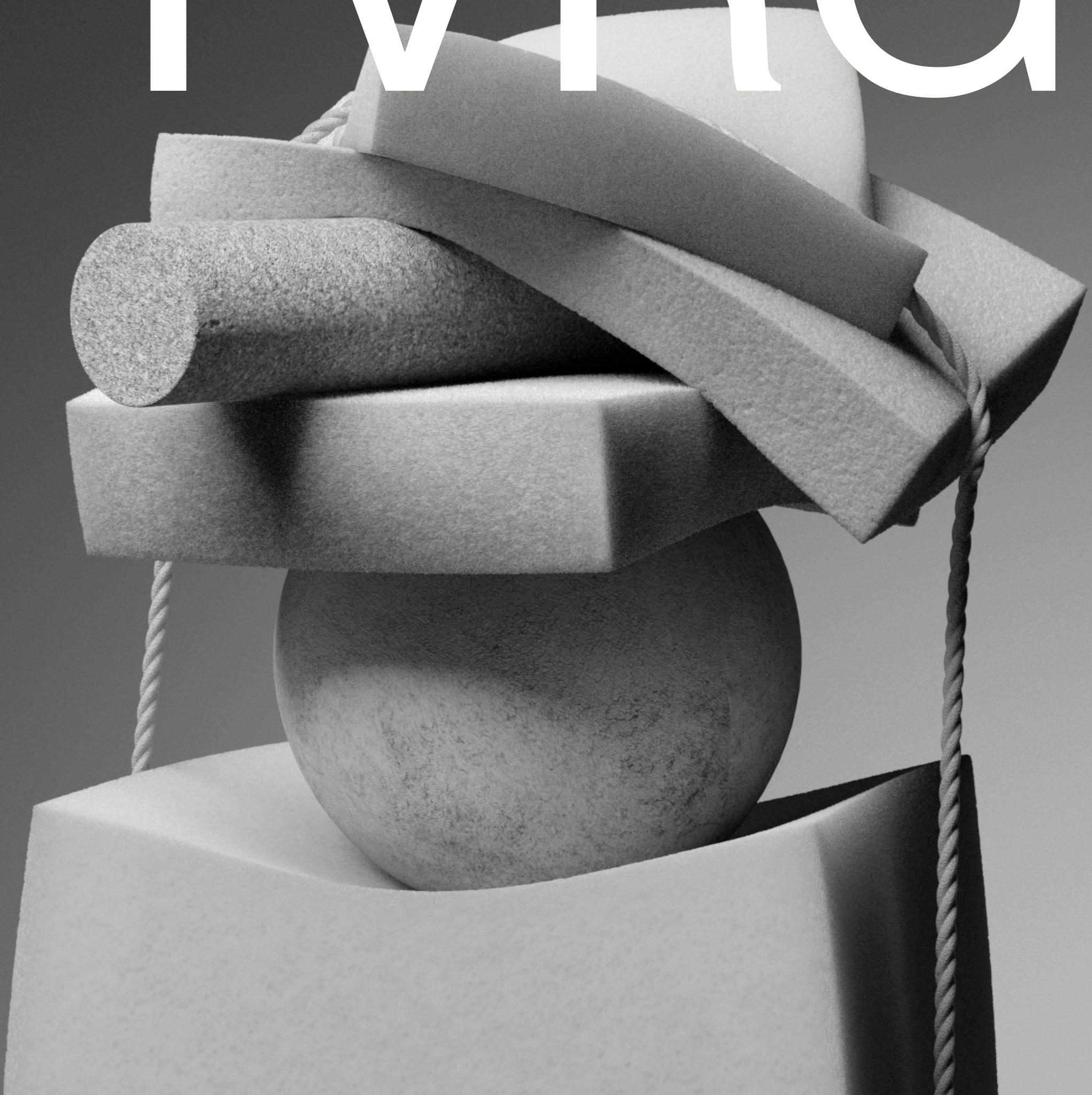
## TVRG features:

TVRG is a closed-cell foam that has soundproofing qualities. It can also be used as a heat or cold insulation agent to prevent energy waste.

TVRG foam has a wide range of colors to choose from and can be ordered in sheet or roll-shaped forms. It is also customizable thickness based on the customer's needs and preferences.



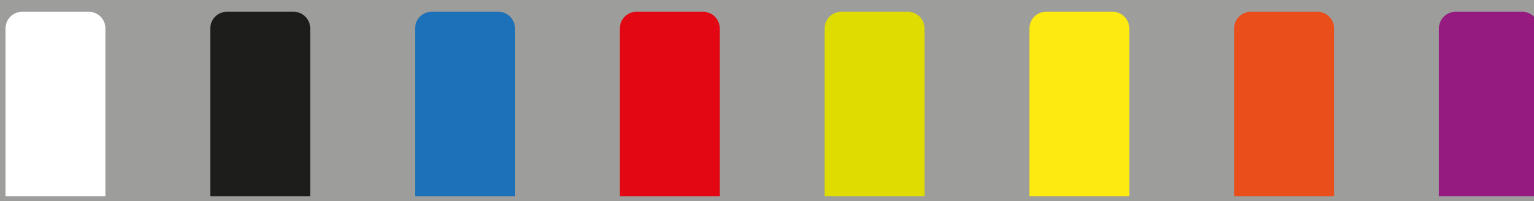
# TVRG



## TVRG dimensions:


These foams are produced in sheet and roll-shaped forms. The sheet form is  $3200\pm 50 \times 1550\pm 20 \times 80$  to  $90\pm 50$  (mm) and the roll-shaped form is 50 to 100 meters long and 150 (cm) wide and comes in various thicknesses and diameters. Bafoam industry has provided customizable shapes and sizes with various cutting and shaping services for their beloved customers.

### colors



Dimensions (mm)  $3200 \times 1550 \times 90$  

Density: 20 to 70 (kg/m<sup>3</sup>) 

Hardness: C shore 15 & C shore 30 

 Features: closed cell, reversibility, heat and cold insulation and high elasticity

Special use: medical equipment, cleaning, and packaging industries  
Main use: medical mattresses, wallet and bag industry, vehicles, machinery, insulation, and cleaning industries.



# EPDM

## EPDM features:

- Durability
- High endurance against environmental conditions like heat, cold, rain, snow, hail, and ozone.
- High chemical endurance against chemical compounds (especially polar solvents like alcohols and ketones)
- Reciprocal molecular structure
- High elasticity and flexibility in the corners up to %600 in cold environments (even under 45cg)
- High endurance against bitumen

EPDM is short for eethylene polypropylene diene monomer. It is an artificial plastic used by industries.

EPDM has high endurance against heat and is regularly used by sewerage and shipping companies.

EPDM's special uses

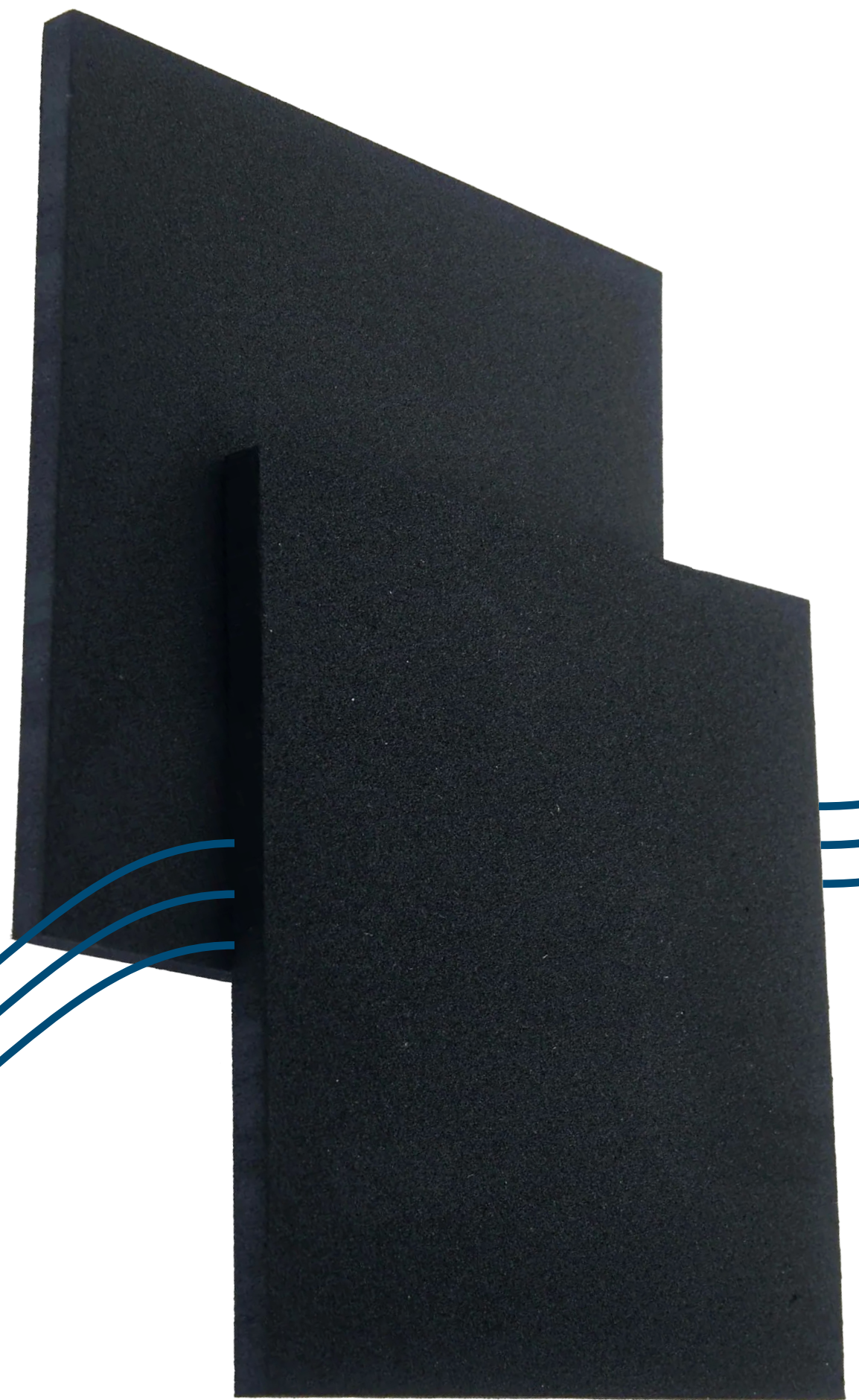
- Vehicle and automobile industry
- Heat and cold insulation
- Impact and force endurance

Dimensions (mm): 2000±5100 x 1000±100 x 2

Hardness Shore: C 35

Density (kg/m3): 120 to 105

Color: Black



## EPDM's main uses:

- |                               |  |                                     |  |
|-------------------------------|--|-------------------------------------|--|
| Heat and cold insulation •    |  | Vehicle and automobile Industries • |  |
| Packaging Industries •        |  | Cleaning Industries •               |  |
| Cars and city lights washer • |  | Industrial carwashes •              |  |
| Used as O'ring and sealant •  |  | High impact resistance •            |  |



# Technical Data Sheet TVRG

Technical Data Sheet (TVRG)		
Quality:PE/EVA		Colour:Colorful
Classification :ASTM/ISO		Passed at 6.0mm thickness
TVRG series	Standard	
Material base	ISO 1629	Blend of Polyethylene and Ethylene vinyl acetate (PE/EVA)
General description	Without Standard	Closed cell ,soft-elastic ,sulfur-free crosslinked ,Low Density
Density	Without Standard	20 TO 70 kg/m <sup>3</sup>
Application temperature	Without Standard	-40 to +90 °C , Short time to +110 °C
Outdoor exposure	ISO 877	Very good weather resistance
Ozone resistance	ISO1431	200pphm /48hr/%20St/40°C/Static No crack
Compression set	ASTM D1056	22h, 70 °C, 50%: ≤ 50% (after 24 h)
Water absorption	ASTM D570	≤ 3%
Tensile strength	ISO 1798	≥ 230 kPa
Elongation at break	ISO 1798	≥ 193%
Tear resistance	ASTM D624	≥ 1.8 kN/m
Shore hardness	Shore C	6 To 25
Form of delivery	Block size with production skin 3200 * 1550 * 90 mm, 2* skin. The material can be further processed by splitting, cutting, sawing, punching, gluing, Layers, and coating with adhesives. General dimensional tolerances for sheet and sheet products comply with DIN 7715 P3, dimensional tolerances for the block material may differ.	
Examples for chemical resistances	Acids and bases in common concentrations, water, water steam up to 100 °C, sea water, potassium and sodium compounds, alum aqueous, detergent, photographic chemicals, ammonia cold, acetylene, alcohols, glycerine, brake fluids, glycol-based anti-freeze, carbonic acid, ozone, silicone oil, bleaching powder aqueous.(limited deployable) Chlorine gas, ammonia hot, conc. hydrochloric acid.(not recommended) Fuels, oils, greases, mineral spirits, solvents such as toluene, dichloromethane, trichloroethylene, perchloroethylene (PER), cellulose thinners, conc. nitric and sulfuric acid.	
Suggestions for disposal	Under the observance of local waste disposal regulations, it may therefore be disposed of as household waste on landfills or domestic waste incineration plants.	
The information were thoroughly determined, liability is excluded. The above given information does not release the user from own tests. Detailed information can only be obtained after formal testing in individual cases.		

# Technical Data Sheet EPDM

Technical Data Sheet(EPDM)		
Quality:EPDM/EVA/SBR		Colour:BLACK
Classification :ASTM/ISO		Passed at 6.0mm thickness
EPDM series	Standard	
Material base	ISO 1629	Blend of Ethylene-Propylene-Diene-Rubber and Styrene-Butadiene Rubber and Ethylene vinyl acetate (EPDM/SBR/EVA)
General description	Without Standard	Closed cell ,soft-elastic ,sulfur-free crosslinked cellular rubber
Density	Without Standard	120±20 kg/m <sup>3</sup>
Application temperature	Without Standard	-40 to +100 °C , Short time to +110 °C
Outdoor exposure	ISO 877	Very good weather resistance
Ozone resistance	ISO1431	200pphm /48hr/%20St/40°C/Static No crack
Compression set	ASTM D1056	22h, 70 °C, 50%: ≤ 50% (after 24 h)
Water absorption	ASTM D570	≤ 3%
Tensile strength	ISO 1798	≥ 720 kPa
Elongation at break	ISO 1798	≥ 230%
Tear resistance	ASTM D624	≥ 2 kN/m
Shore hardness	Shore C	6 To 8
Form of delivery	Block size with production skin 2,000 * 1,000 * 35 mm, 2* skin. The material can be further processed by splitting, cutting, sawing, punching, gluing, Layers, and coating with adhesives. General dimensional tolerances for sheet and sheet products comply with DIN 7715 P3, dimensional tolerances for the block material may differ.	
Examples for chemical resistances	Acids and bases in common concentrations, water, water steam up to 100 °C, sea water, potassium and sodium compounds, alum aqueous, detergent, photographic chemicals, ammonia cold, acetylene, alcohols, glycerine, brake fluids, glycol-based anti-freeze, carbonic acid, ozone, silicone oil, bleaching powder aqueous.(limited deployable) Chlorine gas, ammonia hot, conc. hydrochloric acid.(not recommended) Fuels, oils, greases, mineral spirits, solvents such as toluene, dichloromethane, trichloroethylene, perchloroethylene (PER), cellulose thinners, conc. nitric and sulfuric acid.	
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