

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 ³
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.	
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.		