



TDS Technical Data Sheet

Properties	Norm	Value	Unit
Material base	ISO 1629	Ethylene-Propylene-Diene-Rubber (EPDM)	
General description	closed cell, soft-elastic cellular rubber		
		Cell size ≤ 0.4 mm	
Density	ISO 845	80 ± 15	kg/m ³
Application temperature	without standard	-40 +105 °C	
Linear shrinkage	WSK-M2D419-A	≤ 5 % 3h at 80 °C and 6,3 mm thickness	
Outdoor exposure	ISO 877-1	Very good weather resistance	
Ozone resistance	ISO 1431-1	ant to cracking (0)	
Corrosion resistance	VW PV 3976	≤ Level 3 (annealing colours, strong) on electrolytic copper	
Compression set	ASTM D-1056		
23 °C	50 %: ≤ 75 % after 0,5 h, ≤ 30 % after 24 h		
40 °C	50 %: ≤ 85 % after 0,5 h, ≤ 50 % after 24 h		
Compression deflection	ASTM D-1056		
25 % compresion		30 ± 15	kPa
50 % compresion		100 ± 25	kPa
Water absorption	ASTM D-1056	≤ 5	%
Tensile strength	ISO 1798	≥ 150	kPa
Elongation at break	ISO 1798	≥ 125	%
Young's Modulus	without standard	≥ 1	kPa
Tear resistance	ISO 34-1	≥ 0,5	kN/m
Rebound resilience at 0,2 J pendulum	ISO 4662	60 ± 5	%
Shore hardness	ISO 868	20 ± 6	Shore 00
Electrical conductance	EN 61340	> 1,0	TΩ
Thermal conductivity	ISO 8302	≤ 0,045	W/mK

General dimensional tolerances for sheet and sheet products comply with DIN 7715 P3, dimensional tolerances for the block material may differ.

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 and fat, bleaching powder aqueous

not recommended (-)

Fuels, oils, greases, mineral spirits, solvents such as toluene, dichloromethane, trichloroethylene, perchloroethylene (PER), cellulose thinners, conc. nitric and sulfuric acid

limited deployable (+)

Chlorine gas, ammonia hot, conc. hydrochloric acid.

Suggestions for disposal

It does not contain hazardous compounds such as cadmium, lead, CFCs, formaldehyde, etc. which require compliance to waste disposal regulations from 27/04/2009.

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.