

Data sheet / Test certificate 50 049-2.2

Quality of Neoprene	S	
Colour	black	
Material basis DIN ISO 1629	CR	
Cell structure DIN 7726	The material consists at 95 % of gas cells.	
Slab size	length: approx. 225 mm	
	width: approx. 130 mm	
	thickness: approx. 24 mm	
Bulk density (kg/m³) DIN EN ISO 845	245	
Deformation pressure 25% load (kPa) ASTM D 1056 Prover Diameter: 28,7 mm thickness: 10,0 mm Spring testing machine Probat SF100 EL	Original sample	37,4
	24 hrs / rt	38,9
	7 days/ 70°C	34,6
Breaking strength (Mpa) Standard ring R 1 / thickness: 10,0 mm DIN 53 504	Original sample	0,77
	24 hrs / 60°C	0,84
	7 days/70°C	0,95
Breaking elongation (%) Standard ring R 1 / thickness: 10,0 mm DIN 53 504	Original sample	245
	24 hrs / 60°C	250
	7 days/70°C	255
Impact resilience (%) Thickness: 10,0 mm DIN 53 512	Original sample	70
	24 hrs/ 60°C	70
	7 days/ 70°C	67
Permanent set (%) 50 % compressive set thickness: 10,0 mm Diameter: 36,0 mm ASTM D 1056 DIN EN ISO 1856	22 hrs / 70°C 30' after relief	45,5
	22 hrs / rt 24 hrs after relief	18,3
Ozone resistance DIN 53 509-1 50 pphm / 70 h / 40°C/ 20 % elongation 55 % relative humidity thicknes of stripes: 6,0 mm length of stripes : 100,0 mm width of stripes : 25,0 mm	Degree of crack formation: 0	
Shrinkage under temp. rise (% linear) 24 hrs / 60°C Prover 250 x 250 x 10,0 mm Prover 250 x 250 x 3,0 mm	<u>10,0 mm</u> length 1,0 width 0,8 thickness 2,7	<u>3,0 mm</u> 1,8 1,4 2,8
Shrinkage under temp. rise (% linear) 7 days/ 70°C Prover 250 x 250 x 10,0 mm	<u>10,0 mm</u> length 3,0 width 1,8 thickness 5,9	