

MATERIAL SPECIFICATION SHEET: Neoprene Foam

Dimensions	2m x 1m +- 2%
Thickness	40mm +- 2mm
Type of polymer	CHLOROPENE
Average density	160 kg/m ³
A.S.T.M spec. 1056 D: Grade Suffixes	2C2 A1 B2 C E1
Heat resistance in °C Constant / intermittent	85 / 100°C
Water-absorption: percentage in weight	Below 5%
Compression-deflection: 25% deflection acc. To ASTM spec. 1056D	45 Kpa
Compression-set acc. To ASTM spec. 1056D: 50% compression 22 h at room-temperature: 24 h recovery	10%
Linear shrinkage: 22 h at 70°C	4%
Change in hardness: 7 days at 70°C 22 hours at 100°C	15% 15%
Fluid immersion test acc. to ASTM 1056D spec 7 days at 23°C, change in weight in ASTM Fule "B"	250%
Ozone resistance acc. To spec. DIN53509: 50 pphm ozone concentration 40°C for 48 hours NFR99211: 200 pphm ozone concentration 30°C for 48 hours (in both tests samples elongated by 20%)	No cracking
Fire resistance	Self-extinguish

Resistance to cold	3
Resistance to air and U.V rays	3
Resistance to dilute acids	3
Resistance to alkalis	3
Resistance to animal or vegetable oils	3
Resistance to solvents: Alphatic	2
Aromatic	1
Chlorinated	3
Ketonic	1
Resistance to swelling in oil and petrol	3
Acoustic and sound insulation	2

Classification:- 1= nil to weak, 2= average, 3= good, 4= excellent

Shelf Life 10yrs foam, 6 months for adhesive backing before application.

Disposal method is to landfill.

NB: In the same quality, the characteristics of cellular rubber can vary according to numerous factors as: thickness of sheets, sheet with or without moulding skins, methods of tests, etc.....

The information above should be regarded only as a guidance in choice of quality according to the use to which the material is put.