PE FOAM

Polyethylene Foam

About

The closed cell structure of PE makes it impermeable to water and moisture intrusion, fungi, bacteria, and air. PE's have a high thermal resistance, are light in weight, tear-resistant, flexible and compressible, with moderate to good recovery after long-term compression. Resistant to common acids, alkali's, and chemicals, to fuels and oil, and are moderately resistant to UV light-degradation in the outdoors.

Element	**PE 30**	**BAL-29**
Material	Chemically cross linked low density closed cell polyethylene	High specification closed cell expanded rubber
Colour	Black	Black
Density	25-35 kg/m ^{3}	150 (±25) kg/m ^{3}
Shore 00	45-60	40-55
Compression	@ 25% > 50 kPa	35-65 kPa
Compression Set (50% for 22 hrs @ 23°C	NA	Average 14%
Water Absorption	<5%	Average 0.7%
Ozone Resistance	NA	No cracking
Dimensional Stability	NA	-2%
Elongation	> 120%	Average 132%
Tensile Strength	> 0.18 Mpa	706 kPa
Tear resistance	> 1.3 Kn/m	3.4 kN/m
Temperature Range	-40° C / + 80° C Constant + 90° intermittent	-40°C / +120°C +130° C
Environmental	CFC & HCFC free	CFC & HCFC free
Fire Rating	NA	AS / NZ 1530.3 Ignitability index = 0 Spread of flame index = 0 Heat evolved index = 0 Smoke developed index = 4

Applications

Polyethylene Foam is a versatile, affordable, multifunctional material used for both domestic and industrial applications, from foam packaging and padding to expansion joints and filler strips.