Gaska Tape Australia
Converters - Foams, Tapes, Adhesives

E210 POLYETHYLENE FOAM

Multi – purpose foam for insulating, shock absorbing & sealing. Unique foam fabrication versatility of polyethylene makes its applications endless.

100% Closed cell construction

Low water absorption

Excellent thermal insulation properties

Excellent resilience

Good impact sound deadening properties

Excellent resistance to wide range of chemicals

Good weathering resistance

Available in rolls or sheets depending on thickness

Low specific gravity

Foam does not emit dust or fibre particles

Available in thicknesses from 1mm (depending on density). Densities range from 25-200kg m3. Comes in white or charcoal.

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TYPICAL PROPERTIES

		TEST METHOD
Densities available		*25-200 Kg/ m3*
Standard thicknesses available		*1mm – 30mm (Varies with grade)*
Following data is based on grade 5 Polyethylene		
Density		*Kg/ m3 mm Din 53420*
Thermal conductivity at 0°C		*0.032 W m/k*
Working temperature range		*-80°C to 100°C*
Water absorption % by volume		*0.7 Din 53428*
Moisture vapour transmission		*g/m2/24 hours 1.8 Din 53122*
Tensile strength N/mm2	*(3mm thickness)*	*M direction 0.42 Din 53571* *C direction 0.32*
Elongation	*(3mm thickness)*	*M direction 176 Din 53571* *C direction 168*
Tear Resistance N/mm2	*(3mm thickness)*	*M direction 2.9 Din 53575* *C direction 20*
Compressive strength N/mm2		*Deflection 30% 0.05 Din 53577* *Deflection 50% 0.12* *Deflection 70% 0.25*
Compression set %: 72 hrs after discharge		*25% (c) 70 hrs 25°C 8.5 Din 53572* *50% (c) 70 hrs 25°C 23.0*

Dielectric constant: 1.53 Din 53483

Dissipation factor: 0.0003 Din 53483

Dynamic stiffness 5mm: 164 Din 52214

MN/m3 10mm: