



## Product Data Sheet

### **Polyethylene**

Chemically cross linked low density closed cell foam

Product	PE 33 (30x)	PE 45 (20x)	PE 65 (15x)
Density (ASTM D 3575)	30-40 kg/m <sup>3</sup>	40-60 kg/m <sup>3</sup>	60-80 kg/m <sup>3</sup>
Shore OO (ASTM D 2240)	52 - 60	63 - 70	72 - 80
Compression Deflection (ASTM D 3575)	at 25 % > 59 kPa	at 25 % > 75 kPa	at 25 % > 125 kPa
Compression Set (ASTM D 3575)	25 % max	25 % max	25 % max
Water Absorption (ASTM D 3575)	< 5 %	< 5 %	< 5 %
Moisture Permeability (ASTM E 96)	<0.8 gm/m <sup>2</sup> 24 hrs @ 90% rh	<0.8 gm/m <sup>2</sup> 24 hrs @ 90% rh	<0.8 gm/m <sup>2</sup> 24 hrs @ 90% rh
Elongation (ASTM D 412)	> 120 %	> 150 %	> 190 %
Tensile Strength (ASTM D 412)	> 0.2 Mpa	> 0.3 Mpa	> 0.4 Mpa
Tear Resistance (ASTM D624)	> 1.5 Kn/m	> 2.5 Kn/m	> 5 Kn/m
Temperature Range	-40° C / + 80 ° C Constant  + 90° intermittent	-40° C / + 80 ° C Constant  + 90° intermittent	-40° C / + 80 ° C Constant  + 90° intermittent
Environmental	CFC & HCFC free	CFC & HCFC free	CFC & HCFC free
Noise Reduction (ASTM E 336)	200 HZ : 2 odB 300 HZ : 3 odB (5mm thick foam)	N/A	N/A
Thermal Conductivity (ASTM C 51)	0.033 Kcal/MHR <sup>2</sup> C	N/A	N/A