



Gardiner Australia

Manufacturers of foam & rubber

Product Data Sheet

EVA

(Chemically cross linked ethylene vinyl acetate)

Product	EVA 30	EVA 20	EVA 15
Density (ASTM D 3575)	30-40 kg/m ³	45-60 kg/m ³	65-90 kg/m ³
Shore OO (ASTM D 2240)	30 - 40	46 - 54	54 - 62
Compression Deflection (ASTM D 3575)	at 25 % 10-25 kPa	at 25 % 35-55 kPa	at 25 % 60-90 kPa
Compression Set (ASTM D 1056)	25 % max	25 % max	25 % max
Water Absorption (ASTM D 1056)	< 5 %	< 5 %	< 5 %
Moisture Permeability (ASTM E 96)	<0.8 gm/m ² 24 hrs @ 90% rh	<0.8 gm/m ² 24 hrs @ 90% rh	<0.8 gm/m ² 24 hrs @ 90% rh
Elongation (ASTM D 412)	> 200 %	> 250 %	> 120 %
Tensile Strength (ASTM D 412)	> 0.15 Mpa	> 0.2 Mpa	> 0.8 Mpa
Tear Resistance (ASTM D624)	> 1 Kn/m	> 1.5 Kn/m	> 2.5 Kn/m
Temperature Range (3 hrs at 60 ° C)	-40° C / + 60 ° C Constant	-40° C / + 60 ° C Constant	-40° C / + 60 ° C Constant
Environmental	CFC & HCFC free	CFC & HCFC free	CFC & HCFC free