

## Polyethylene Foam Sheeting Datasheet

Product Code: RC02116

### Product Description

Our polyethylene foam is a high quality, closed cell material, that is also referred to as a PE foam or LDPE foam. It provides high compression rates that enables the material to maintain its resilience under repeated impact. It also gives the material excellent load bearing characteristics. This creates a material that is highly durable as well as versatile.



### Available In -



Full Rolls

Cut to strip

Bespoke Gaskets

### Technical Specification

Properties	Values			
Density	18 kg/m <sup>3</sup>	24 kg/m <sup>3</sup>	33 kg/m <sup>3</sup>	45 kg/m <sup>3</sup>
Hardness (Shore 00)	50°	50°	60°	60°
Cell Size	0.3mm	0.3mm	0.37mm	0.4mm
Tensile Strength	300 kPa	320 kPa	440 kPa	560 kPa
Elongation at Break	125%	130%	155%	175%
Tear Resistance	520 N/m	495 N/m	785 N/m	1150 N/m
Compression Set (25%, 1/2hr)	13%	13%	10%	7.5%
Compression Set (25%, 24hrs)	5.5%	5%	3%	2.5%
Compression Set (50%, 1/2hr)	27.5%	27%	22.5%	18.5%
Compression (10%)	33 kPa	34 kPa	51 kPa	77 kPa
Compression (25%)	50 kPa	53 kPa	69 kPa	94 kPa
Compression (40%)	81 kPa	85 kPa	102 kPa	130 kPa
Compression (50%)	113 kPa	118 kPa	137 kPa	170 kPa
Thermal Conductivity (10°C)	0.0446 W/m.K	0.0392 W/m.K	0.0405 W/m.K	0.042 W/m.K
Flammability (FMVSS302)	Pass (14mm +)	Pass (12mm +)	Pass (7mm +)	Pass (5mm +)
Horizontal burn rate (5mm thick)	2.2 mm/sec	2.1 mm/sec	1.6 mm/sec	1.3 mm/sec
Horizontal Burn Rate (13mm thick)	1.7 mm/sec	1.5 mm/sec	1 mm/sec	0.7 mm/sec
Operating Temperature Range	-70°C - +100°C	-70°C - +100°C	-70°C - +100°C	-70°C - +100°C

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