RUBBER & PLASTICS
C.B.FROST

CF12

Low Density Polyethylene Foam

Grade

- Plastazote® – LD24

Description

Plastazote® is a closed cell, cross-linked polyethylene block foam manufactured using Zotefoams unique production process.

Physical

PROPERTY	TEST METHOD	UNITS	TYPICAL VALUE
Density skin/skin	BS EN ISO 7214:2012	Kg/m3	24 (nominal)
Cell Size (Cell Diameter)	Internal	mm	0.3
Compression Stress – Strain 25% compression 50% compression	BS EN ISO 7214:2012 25mm cell-cell	 kPa kPa	 52 116
Tensile Strength **Tensile Elongation**	BS EN ISO 7214:2012	kPa %	328 123
Compression Set 25% comp., 22hr, 23°C ½ hr recovery 24 hr recovery	BS EN ISO 7214:2012 25mm cell-cell	 % set % set	 11 4
Tear Strength	BS EN ISO 8067:2008 Method B	N/m	1254
Shore Hardness 00 Scale	BS EN ISO 868:2003		50
Recommended maximum operating temperature*	Internal	°C	95
Flammability Automotive	FMVSS.302 – Burn Rate	<100mm/min.	Pass at 13mm
Water Absorption	ISO 2896:2001 Ed3	%	<1
Thermal Conductivity Mean temperature 10°C	ISO 8031:1991	W/mK	0.036

***Recommended maximum operating temperature**
The maximum operating temperature shown is defined as the temperature which will typically cause a linear shrinkage of 5% after a 24hr exposure period, using sample dimensions of 100mm x 100mm x 25mm. This figure is provided for general guidance only. The actual level of shrinkage the foam will undergo at any particular temperature is dependent on a number of system variables such as, sample dimensions, cell size, loading conditions and exposure period.