

INNOFOAM - Data sheet

PODAZOTE 29

Polyethylene foam

Podazote29 is a polyethylene foam reticulated, closed celled available in sheets. Thermoplastically in simple or complex shapes.

Name : **PODAZOTE 29**
Hardness : 53 (OO type)
Density : around 29 kg/m³

Property	Test procedure	Units	Value
Nominal density – Skin/skin	BS ISO 7214 1998	Kg/m ³	29
Cell size – Typical Diameter	Internal	Mm	0,65
Compression Stress-Strain 10 % compression 25 % compression 40 % compression 50 % compression	BS ISO 7214 1998	kPa kPa kPa kPa	47 64 97 131
Compression Set 25%comp., 22hr, 23°C 1/2 hr recovery 24 hr recovery 50 % comp., 22hr, 23°C 1/2 hr recovery 24hr recovery	BS ISO 7214 1998	%set %set %set %set	10,5 3 23,5 14
Tensile Strength Tensile Elongation	BS ISO 7214 1998	kPa %	375 140
Tear Strength	BS EN ISO 8067 1995	N/m	740
Shore Hardness OO scale 10 mm cell/cell thickness	ISO 868 1985	OO	53
Recommended operating temperature range (*)	internal	°C	+ 100 maxi - 70 mini
Thermal conductivity mean temp of 10°C	ISO 8302 1991	W / m.K	0,039
Flammability Automotive Horizontal burn Rate 5mm thick 13 mm thick	FMVSS.302 – Burn rate ISO 7214 1998	< 100mm/mn mm/sec mm/sec	Approved ≥ 8mm 1,7 1,2

(*) RECOMMENDED OPERATING TEMPERATURE RANGE

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,

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Innofoam - Carefoam

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