

### PRODUCT SPECIFICATION SHEET CLOSED CELL POLYETHYLENE FOAM

Physical Properties	Test Method	Unit	Value
Nominal Density	ASTM D3575-08 Suffix W ISO 845:2006	Kg/m <sup>3</sup>	45
Compressive Strength Vertical @ 10% Vertical @ 25% Vertical @ 50% 100 mm/min speed	ASTM D3575-08 Suffix D ISO 7214:2007	KPa	55 85 125
Compressive Strength Vertical @ 25% (4th compression) Vertical @ 50% (4th compression) Vertical @ 70% (4th compression)	ISO 3386 1986 part 1 DIN 53577	KPa	30 100 250
Compression Set	ASTM D3575-08 Suffix B (50% compression) ISO 1856:2000 (25% compression)	%	< 20 < 10
Compressive Creep	ASTM D3575-08 Suffix BB 168 hrs (2.5 psi)	%	< 5
Compressive Creep	ASTM D3575-08 Suffix BB 1000 hrs (3 psi)	%	< 10
Cell Count	BS 4443/1 Met.6	Cells/25mm	≥ 55
Thermal Stability	ASTM D3575-08 Suffix T ISO 1798:2008	%	< 2
Tensile Strength @ peak (MD/CMD)	ASTM D3575-08 Suffix T ISO 1798:2008	N	250 255
Tensile Elongation (MD/CMD)	ASTM D3575-08 Suffix S ISO 1798: 2008	%	35 50
Tear Strength (MD/CMD)	ASTM D3575-08 Suffix G ISO 8067:2009	N/cm	18 16
Water Absorption	ASTM D3575-08 Suffix L	kg/m <sup>2</sup>	<0.15
Fire-test response characteristics(1) Transportation Automotive	FMVSS 302	-	Pass

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