

TDS Technical Data Sheet



Physical Properties	Test Method	Unit	Value
Nominal Density	ASTM D3575-08 Suffix W ISO 845:2006	Kg/m ³	24
Compressive Strength			
Vertical@ 25%	ASTM D3575-08 Suffix D	KPa	40
Vertical @ 50% (100mm/min compression speed)	ISO 7214:2007		90
Compressive Strength			
25% (4th compression)	ISO 3386 1986 part 1	KPa	28
50% (4th compression)	DIN 53577		83
70% (4th compression) (100mm/min compression speed)			200
Compression Set	ASTM D3575-08 Suffix B 50% Compression	%	< 10
Compressive Creep (1psi - 7kg/dm ²)	ASTM D3575-08 Suffix BB 168 hrs	%	< 10
Compressive Creep (1psi - 7kg/dm ²)	ASTM D3575-08 Suffix BB 1000 hrs	%	< 15
Cell Size	BS 4443/1 Met.4	Cells/25mm	≥ 21
Tensile Strength @ peak (MD/CD)	ASTM D3575-08 Suffix T ISO 1798: 2008	KPa	180 150
Tensile Elongation (MD/CD)	ASTM D3575-08 Suffix T ISO 1798: 2008	%	67 52
Thermal Conductivity	ASTM C-177 ISO 8301	W/mK	0,055
Water Absorption	ASTM D3575-08 Suffix L ISO 2896: 1986	Volume %	< 3
Thermal Stability (24hrs at 70°C)	ASTM D3575-08 Suffix S ISO 2796	%	< 2
Tear Strength (MD/CD)	ASTM D3575-08 Suffix G	N/cm	17 14
Fire-test response Characteristics (1)			
Transportation Automotive	FMVSS 302	-	Pass
Working temperature	-	°C	-60 +80

(1) These numerical laboratory fire-test-response characteristics are not intended to reflect hazards presented by this material under actual fire conditions

NOTICE: The data presented for this product is for unfabricated polyethylene foam product. While values shown are typical of this product, they should not be construed as specification limits. Sealed Air makes no warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, with respect to any product, information or recommendation or recommendations referred to herein, and shall not be liable for any loss or damage, directly or indirectly, related to such product, information or recommendations or for consequential or incidental damages. User should test each application to determine suitability of the product for the intended use. Recycled percentage varies as condition of recycled scrap varies. Recycled resin used in this product is pre-consumer. Due to the use of various sources of recycled content, colour, surface appearance and cell size variation is an inherent characteristic of this product.