



TECHNICAL DATA SHEET

NATURCELL 35 Polyethylene Foam Density 35 Kgs/m³

Physical Properties	Test Method	Unit	Typical Physical properties
Nominal Density	ASTM D3575-08 Suffix W ISO 845:2006	kg/m ³	33
Cell Size	BS 4443/1 Met.4	Cells/25mm	≥45
Compressive Strength Vertical@10% Vertical@25% Vertical@50% (100 m/min vitesse de compression)	ASTM D3575-08 Suffix D ISO 7214:2007	kPa kPa kPa	40 65 115
Compressive Strength Vertical@25% (4th compression) Vertical@50% (4th compression) Vertical@70% (4th compression)	ISO 3386 1986 part 1 DIN 53577	kPa kPa kPa	27 100 245
Compression Set	ASTM D3575-08 Suffix B (50% compression) ISO 1856:2000 (25% compression)	%	< 20 <20
Compressive Creep	ASTM D3575-08 Suffix BB 168 hrs	%	< 5 (2 psi)
Compressive Creep	ASTM D3575-08 Suffix BB 1000 hrs	%	<10 (2 psi)
Thermal Stability	ASTM D3575-08 Suffix S ISO2796	%	< 2
Tensile Strength @ peak (MD/CD)	ASTM D3575-08 Suffix T ISO 1798:2008	kPa kPa	230/160 210/200
Tensile Elongation (MD/CD)	ASTM D3575-08 Suffix T ISO 1798:2008	%	35/60 50/90
Tear Strength (MD/CD)	ASTM D3575-08 Suffix G	N/cm	14 13
Water Absorption	Suffix L ISO 2896:1986	Volume %	< 0,15
Fire-test response Characteristics (1) Transportation Automotive	FMVSS 302	-	Pass

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. AMC Industrie 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 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. Users should test each application to determine suitability of the product for the intended use.

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