

UNIVERSAL APPEAL

The versatile nature of Ethafoam® polyethylene material enables its use in applications from fragile finishings to heavy duty dunnage. Common uses include electronics protection, automotive returnable dunnage, defense packaging, kitted equipment and more.

TYPICAL PHYSICAL PROPERTIES

Physical Properties	Test Method	Ethafoam® 150	Ethafoam® 180	Ethafoam® 220	Ethafoam® 400	Ethafoam® 700	Ethafoam® 900
Density (Kg/m³)	ASTM D3575-08 ISO 845:2006	25	28	37	57	105	146
Compressive Strength (KPa) vertical @ 25% vertical @ 50%	ASTM D3575-08 Suffix D ISO 7214:2007	45 90	55 105	65 125	120 190	270 400	450 650
Compressive Set (50%)	ASTM D3575-08 Suffix B ISO 1856:2000	< 25	< 25	< 20	< 20	< 15	< 15
Compressive Creep (%) (1000 hrs)	ASTM D3575-08 Suffix BB	< 10 @ 9,1 kg/ dm²	< 10 @ 9,1 kg/ dm²	< 10 @ 17,5 kg/dm²	< 10 @ 35 kg/ dm²	< 10 @ 70 kg/ dm²	< 10 @ 140 kg/dm²
Tensile Strength (@ peak (MD/CD) KPa)	ASTM D3575-08 Suffix T ISO 1798: 2008	165 135	172 137	213 165	303 296	500 718	510 758
Tear Strength (MD/CD)	ASTM D3575-08 Suffix G	17 14	17 17	17 14	26 17	52 13	56 56
Water Absorption (%)	ASTM D3575-08	< 3	< 3	< 3	< 1	< 1	< 1
Thermal Stability (%)	ASTM D3575-08 Suffix S	< 2	< 2	< 2	< 2	< 2	< 2
Static Decay* (sec) (Anti-Static Grade)	EIA Std. 541 Append. F	< 2	< 2	< 2	< 2	< 2	< 2
Surface Resistivity* (ohms/sq) (Anti-Static Grade)	EIA Std. 541 Section 4.3	1.0 × 10⁹ – 1.0 × 10¹²	1.0 × 10⁹ – 1.0 × 10¹²	1.0 × 10⁹ – 1.0 × 10¹²	1.0 × 10⁹ – 1.0 × 10¹²	1.0 × 10⁹ – 1.0 × 10¹²	1.0 × 10⁹ – 1.0 × 10¹²

The data presented for these products are for Ethafoam® polyethylene foam products. While values shown are typical of the products, they should not be construed as specification limits.
*Anti-Static