

1.7# Extruded Polyethylene

Extruded Polyethylene is a nonabrasive, shockproof closed cell foam produced via an extrusion process, creating a uniform foam with excellent dimensional stability. It can withstand repeated impacts and vibration, providing maximum cushioning capabilities. Also available with anti-static properties.

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

Extruded Polyethylene

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE	
			1.7# RENEW	1.7#
Cell Structure	--	--	Closed	
Color	--	--	Natural, Black, Anti-Static Pink	
Density Range	ASTM D3575-08	lb/ft ³	1.5 - 1.8	1.5 - 1.8
Compressive Strength	ASTM D3575-08, Suffix D	@ 25% @ 50%	4 - 8 12 - 16	4 - 8 12 - 16
Compression Set	ASTM D3575-08, Suffix B	%	<25	<21
Compression Creep	ASTM D3575-08, Suffix BB (168 hr) MIL AA 59136	%	<10 @ 1.25 psi	<10 @ 1.25 psi
Tensile Strength, at 1/2" Thickness	ASTM D3575-08, Suffix T	MD (psi) CMD (psi)	25 22	35 23
Tear Resistance, at 1/2" Thickness	ASTM D3575-08, Suffix G (mdd/cmd)	MD (lb/in) CMD (lb/in)	10 7	11 8
Cell Size	ASTM D3576 Modified	mm	1.5	1.4
Water Absorption	ASTM D3575-08, Suffix L	lb/ft ²	<0.2	<0.1
Thermal Stability	ASTM D3575-08, Suffix S	%	<5	<5
Static Decay*	*EIA STD. 541 (Appendix F)	sec	<2	<2
Surface Resistivity*	*EIA STD. 541 Section 4.3	--	10 ⁹ -10 ¹¹	10 ⁹ -10 ¹¹
Thermal Conductivity K-Value	ASTM C518-91	BTU.in/hr·ft ² ·°F	0.40 - 0.45	0.40 - 0.45
Thermal Resistance R-Value	ASTM C518-91	hr·ft ² ·°F/BTU.in	2.2 - 2.5	2.2 - 2.5

*Data refers to Anti-Static grade product only