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ARPAK®
Expanded Polyethylene (EPE) Bead Foam

Material Physical Properties for Anti-Static Material
ARPAK® Anti-Static Expanded Polyethylene (AS-EPE); 1.9 pcf (30 g/l)

Physical Properties†	Test Method	Units	JSP ARPAK® Anti-Static EPE
Density (Grade)	ASTM-D3575	pcf	1.9
Density	ASTM-D3575	g/l (or kg/m^3)	30
Compressive Strength @25%	ASTM-D3575	psi	12
Compressive Strength @50%		psi	22
Compressive Strength @75%		psi	55
Tensile Strength	ASTM-D3575	psi	52
Tensile Elongation	ASTM-D3575	%	32
Tear Strength	ASTM-D3575	lbs/in	17
Compressive Set @ 25%	ASTM-D3575	%	4
Compressive Set @ 50%	ASTM-D3575	%	12
Buoyancy	ASTM-D3575	lbs/ft^3	59.5
Thermal Conductivity	ASTM-C177	(K) BTU-in/ft^2-hr-°F	0.25
Thermal Resistance	ASTM-C177	(R) @70°F	4.0
Coefficient of Linear Thermal Expansion	ASTM-D696	in/in/°F x 10^{-5}	6.2
Service Temperature	ASTM-D3575	°F (Max.)	170
Water absorption	ASTM-D3575/C272	% / lbs/ft^2	< 5% / <0.02
Surface Resistivity	ANSI/EIA-541	ohms/square	<10^{12}
Electrostatic Dissipation	FED STD 101C	secs	<2
Compressive Creep	ASTM-D3575	1000hr, % (psi)	3.3 (1.0)
Flammability	FMVSS-302	<4.0 in/min	Pass
Chemical Resistance	Various	1 hr exposure (solvents, acids, and alkalines)	Pass
Fuel Immersion	Coast Guard; Fuel B per 33 CFR §183.114	<5% (chg in vol)	Pass

†Note: The data presented for the JSP ARPAK Expanded Polyethylene (EPE) are for standard JSP ARPLANK Products. While values shown are typical of the product, they should not be construed as specification limits. For Additional Information or Technical Support contact www.arplanksales.com.

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