

Product Information Sheet

Name: Polystyrene Foam

Description: Rigid expanded polystyrene (EPS)

			FOAM TYPE		
PHYSICAL PROPERTIES	TEST METHOD	UNITS	TYPE II (In Stock)	TYPE IX	TYPE XV
Nominal Density		lb/ft ³	1.5	2.00	3.00
		(kg/m ³)	(24)	(32)	(48)
Minimum Density		lb/ft ³	1.35	1.8	3.00
		(kg/m ³)	(22)	(29)	(48)
Thermal Resistance R-Value per inch	ASTM C518	25°F	4.76	5.00	5.10
		40°F	4.55	4.76	5.05
		75°F	4.17	4.35	4.60
Compressive Strength @ 10% deformation, min.	ASTM D1621	psi	15.0	25.0	60.0
		(kPa)	(104)	(173)	(414)
Flexural Strength, min.	ASTM C203	psi	35.0	50.0	75.0
		(kPa)	(242)	(345)	(517)
Water Vapor Permeance (max. perm., 1")	ASTM E96		3.5	2.5	2.5
Water Absorption (max. "6 vol.)	ASTM C272		3.0	2.0	2.0
Capillarity			none	none	none
Flame Spread	ASTM E84		<25	<25	<25
Smoke Developed	ASTM E84		<450	<450	<450
Max. Service Temperature	Long Term	°F	167	167	167
	Intermittent	°F	180	180	180

All testing is done by ASTM C578 standard.

Data represents typical values and should be considered as a guideline only.

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