

Eccostock®SH

Rigid High Temperature Plastic Foam Sheet Stock

RIGID PLASTIC FOAM SHEET STOCK

Eccostock SH is a rigid polyurethane foam, which remains rigid and withstands high temperatures, for a short time even up to 163°C (325°F). Unlike most polyurethanes, Eccostock SH has an extremely low dissipation factor and low dielectric constant. It is a closed cell foam, pink in color.

FEATURES AND BENEFITS

High Temperature Resistance

MARKETS

- Commercial Telecom
- Security and Defense

SPECIFICATIONS

Rigid

	ECCOSTOCK SH	
SH-2	SH-8	SH-14
3 (0.05)	8 (0.13)	15 (0.24)
-70 to 135	-70 to 135	-70 to 135
(-94 to 275)	(-94 to 275)	(-94 to 275)
1.04	1.12	1.25
40	40	40
0.001	0.002	0.005
30 (2.1)	250 (17.6)	600 (42.3)
25 (1.8)	225 (15.8)	800 (56.0)
500 (35.2)	7,000 (493)	20,000 (1408)
40 (2.8)	200 (14.1)	450 (31.7)
35 (2.5)	140 (9.9)	300 (21.1)
25 x 10 ⁻⁶	40 x 10 ⁻⁶	50 x 10 ⁻⁶
3	1.5	1
	3 (0.05) -70 to 135 (-94 to 275) 1.04 40 0.001 30 (2.1) 25 (1.8) 500 (35.2) 40 (2.8) 35 (2.5) 25 x 10 ⁻⁶	SH-2 SH-8 3 (0.05) 8 (0.13) -70 to 135 -70 to 135 (-94 to 275) (-94 to 275) 1.04 1.12 40 40 0.001 0.002 30 (2.1) 250 (17.6) 25 (1.8) 225 (15.8) 500 (35.2) 7,000 (493) 40 (2.8) 200 (14.1) 35 (2.5) 140 (9.9) 25 x 10 ⁻⁶ 40 x 10 ⁻⁶

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

APPLICATIONS

• Eccostock SH is primarily used as a high-temperature structural member or thermal barrier in electrical/electronic applications.

AVAILABILITY

- Standard sheets are 30.5 x 61 cm (12" x 24") in thicknesses of 2.5 cm, 5 cm, 7.6 cm, 10 cm & 15 cm (1", 2", 3", 4" & 6").
- It is available in bulk densities of 3, 4, 6, 8, 10, 12, & 14 lbs/ft³ (0.03, 0.06, 0.10, 0.13, 0.16, 0.19 & 0.22 g/cc).
- Eccostock SH is available in other thicknesses, sizes, and customer specified shapes upon request.

Americas: +1.866.928.8181 Europe: +49.(0)8031.2460.0 Asia: +86.755.2714.1166

Eccostock® SH



INSTRUCTIONS FOR USE

- Eccostock SH at densities less than 3 lbs/ft³ (0.05 g/cc) may warp at temperatures above 93°C (200°F).
- Unicellularity: Not interconnected above 6 lbs/ft3 (0.10 g/cc). However, below this density there is a significant percentage of cells connected.
- Eccostock SH is easy to machine.

RFP-DS-SH 04072021

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non- infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold purchantability, suitability or non- infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold purchantability, suitability or runs and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies to and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.