

Non-Conductive Silicone Rubber and Elastomers

ECS300 Series

East Coast Shielding offers a wide variety of rubber elastomers and cellular profiles to meet your application needs. Below you will find some general information about the characteristics and physical properties of many of our standard elastomers. For additional information about a specific elastomer, please contact us directly.

- Silicone
- Neoprene
- Sponge

Silicone:

- High Resistance to both high and low temperature extremes.
- Excellent weathering properties and resistance to ozone and oxygen attack..
- Long service life

Available in solid and cellular profiles.

Standard thickness (in.); solid silicone: 1/32 to 1/4; silicone sponge: 1/16 to 1/2

Other thicknesses available upon request (see section on Laminating)

Neoprene:

- Great all-purpose elastomer with resistance to ozone, sunlight, oxidation and various petroleum derivatives.
- Good resistance to water
- Good tensile strength properties
- May be blended to SBR to achieve a more economically priced material

Available in solid and cellular profiles.

Standard thickness (in.); solid neoprene: 1/32 to 1/2; neoprene sponge: 1/32 to 1

Other thicknesses available upon request (see section on Laminating)

Order with or without PSA (pressure sensitive adhesive).

Sponge:

Neoprene and Silicone are also available in sponge form. Closed cell sponge is preferred for applications requiring high compressibility. Open cell sponge is preferred for cushioning applications where sealing is an issue. The basic physical and chemical properties are the same as for the elastomers.



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ECS300 Series Sponge & Solid Sizing

Thickness & Sheet Dimensions

Material

PSA



ECS300- _ _ _ _ - _ _ _ - _

Series	Thickness	Sheet Dimensions	Material	PSA
ECS300	.032	24” x 24”	SP** SOL**	0**
	.040			
	.045	15” x 20”**		1**
	.062			
	.093	24” x 26”**		
	.125			
	.188			
	.250			

* - 15 x 20 and 24 x 26 sheet dimensions only available for solid silicone

** - ADD : -SP for Sponge / -SOL for Solid / -0 for Plain / -1 For PSA Backing

For Example : ECS300-0622424-SP-1