

1. Polyethylene Foam

Polyethylene closed-cell foams, also known as PE foams, can be produced in various densities and colors in the form of rolls, sheets, and layers. As one of the most versatile foams available, polyethylene foam is highly functional and covers a wide range of applications.

Applications

Closed-cell polyethylene foams are used in various industries, including automotive, construction, medical, insulation, recreational and professional sports, double-sided adhesive tapes, footwear, and packaging.

Polyethylene Foam Features

Closed-cell (resistant to moisture absorption)

Diverse and customizable colors based on customer needs

Medium rebound

Medium flexibility

Medium shock and vibration absorption

Medium tensile strength

Medium resistance to environmental factors

High resistance to chemical materials (acids, bases, organic compounds, solvents, and oils)

Customizable hardness based on customer needs

Thermoformable

Technical Data

Code	Sheet Dimension (cm)	Sheet Layer Dimension ¹ (cm)	Roll Dimension ²	Hardness	Density (kg/cm ³)	Temperature Range	Physical Properties	Colors
PE90	-	-	-	-	80±5	-	Polyethylene Foam	Khaki, gold, khaki, blue, black, white, natural
PE60	160*110*30, 185*115*30, 195*125*30, 215*125*30, 220*145*30, 245*145*30, 245*145*35, 265*145*40, 375*155*50	160*110, 185*115, 195*125, 215*125, 220*145, 245*145	50m*150cm, 50m*120cm, 100m*150cm, 100m*120cm	20-50 Shore C	100±5	-40 to 100°C	Polyethylene Foam	White, pure white, khaki, navy, copper rose, golden yellow, lemon, light green, light blue, orange, red, tomato, eggplant, purple, peach, baby pink, fuchsia, turquoise, light salmon, dark salmon, blue, green, navy, beige, aquamarine, light blue, dark blue, light salmon (166), dark salmon (2), light green (3), dark green, cyan, spring green, dark salmon (4)

¹ In Foamiran, layers can be cut to the specified lengths, widths, and thicknesses greater than 1 mm, according to customer needs.

² In Foamiran, foam rolls can be cut to the specified lengths, widths, and thicknesses greater than 1 mm, according to customer needs.

Code	Sheet Dimension (cm)	Sheet Layer Dimension¹ (cm)	Roll Dimension²	Hardness	Density (kg/cm³)	Temperature Range	Physical Properties	Colors
PE55					105±5		Polyethylene Foam	Beri 1 - Dark brown, light brown - sandy, black - brown 194, Beri 2 - Dark slate gray, Natural 198
PE45					115±5		Polyethylene Foam	Yellow, dark orange, khaki, blue, pink, black, natural
PGB80					110±5		Polyethylene Foam	Yellow, dark orange, khaki, blue, pink, black, natural

Services

A range of services can be performed on the sheets of this group, as follows:

[illegible]