



santosom

PROFESSIONAL CASES

October 2015

CUSTOM FOAM

WAVE FOAM 25FR

30mm or 50mm

LD FOAM LD33 / LD45

Polyethylene Foam LD33 OR LD45

CNC/LASER CUTTING

Manufacturing process: CNC routing,
laser cutting



ITEM CODE	DESCRIPTION
25FR.030	Wave Foam 2000x1000x30mm
25FR.050	Wave Foam 2000x1000x50mm
LD##.010	Plastazote LD## 2000x1000x10mm
LD##.020	Plastazote LD## 2000x1000x20mm
LD##.030	Plastazote LD## 2000x1000x30mm
LD##.040	Plastazote LD## 2000x1000x40mm
LD##.050	Plastazote LD## 2000x1000x50mm

33 for LD33 foam 33kg m/3
45 for LD45 foam 45kg m/3

LD FOAM LD33 / LD45, Maximum thickness 50mm (other thicknesses can be obtained by lamination)

LASER ENGRAVING

Personalize a sua espuma



CUSTOM FOAM



LASER ENGRAVING

LD FOAM LD33 / LD45

Polyethylene Foam LD33 OR LD45

CNC/LASER CUTTING

Manufacturing process: CNC routing,
laser cutting



CUSTOM FOAM

WAVE 25FR

25kg m/3



Polyurethane Foam

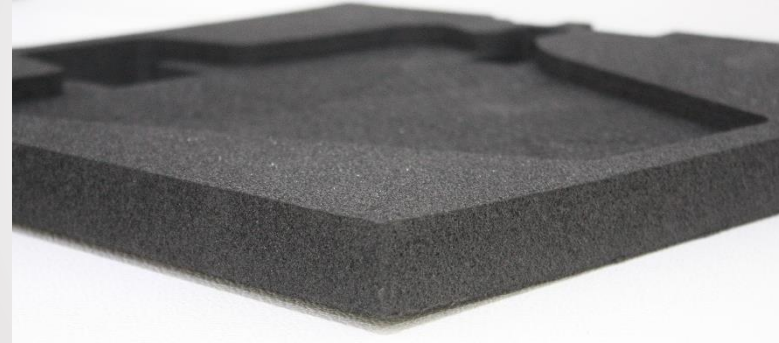
Board dimensions: 2000x1000mm
Thickness: 30 or 50mm

Color Grey

Flame retardant, see specs sheet

LD33

33kg m/3



Polyethylene Foam

Plastazote foam is a vast number of nitrogen cells held in a mass of polyethylene
Plastazote is lightweight, non-toxic, odorless, will not absorb water, is buoyant

Minimum quantity: 2 un.

Manufacturing process: cnc routing, laser cutting

High wear resistance

Standard cost

Colours: Yellow, Gold, Lime, Teal, Green, Black, Pink, Blue, Orange, Violet, Red

LD45

45kg m/3



Polyethylene Foam

Plastazote foam is a vast number of nitrogen cells held in a mass of polyethylene
Plastazote is lightweight, non-toxic, odorless, will not absorb water, is buoyant

Minimum quantity: 30 un.

Manufacturing process: cnc routing, water jet cutting

High wear resistance

High cost

Colours: Yellow, Gold, Lime, Teal, Green, Black, Pink, Blue, Orange, Violet, Red





WAVE 25FR

25kg m/3

Polyurethane Foam

Board dimensions: 2000x1000mm
Thickness: 30 or 50mm

Color Grey

Flame retardant, see specs sheet





LD33

33kg m/3

Polyethylene Foam "Plastazote"

Minimum quantity: 2 un.

Manufacturing process: cnc routing, laser cutting

Medium wear resistance

Standard cost

Colours: Yellow, Gold, Lime, Teal, Green, Black, Pink, Blue, Orange, Violet, Red
Flame retardant, see specs sheet

Maximum thickness 50 mm (other thicknesses can be obtained by lamination)





LD45

45kg m/3

Polyethylene Foam "Plastazote"

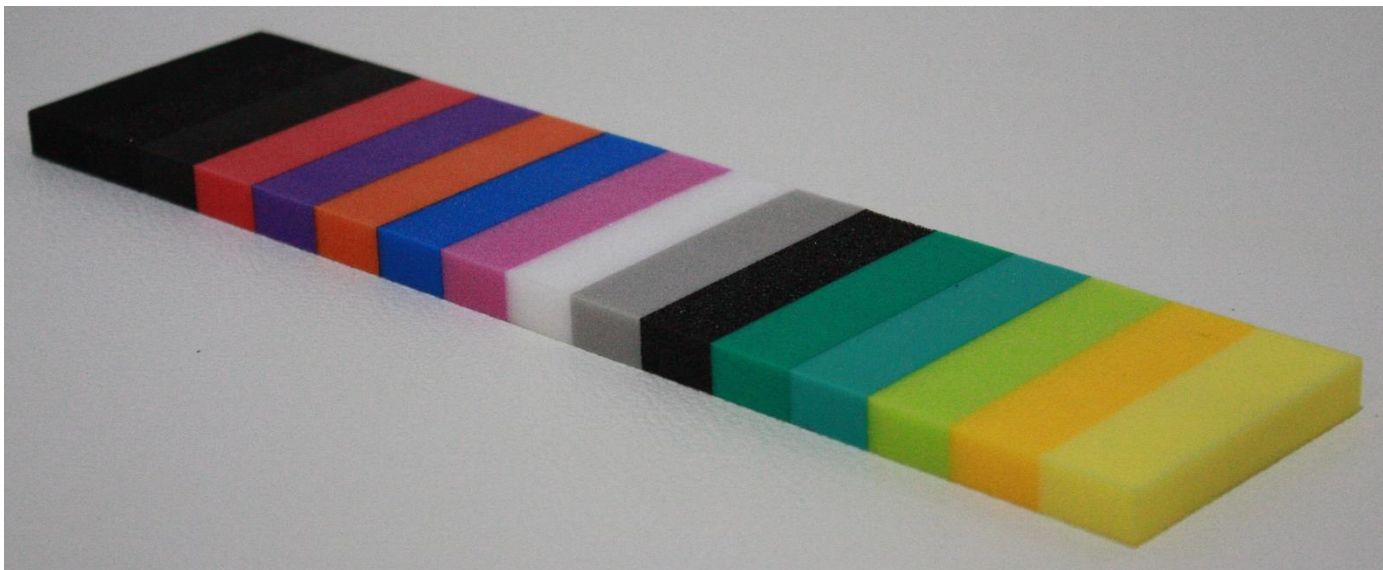
Minimum quantity: 30 un.

Manufacturing process: cnc routing, laser cutting

High wear resistance

High cost

Colours: Yellow, Gold, Lime, Teal, Green, Black, Pink, Blue, Orange, Violet, Red
Flame retardant, see specs sheet



About Plastazote Foam

Plastazote foam is a vast number of nitrogen cells held in a mass of polyethylene. Because the foam is not like a sponge, where the cells are open and connected, gases and liquids are not readily absorbed. In contrast to other foams, it is tough and flexible, defined by the regular shapes, sides and walls of the cells made from polyethylene. This shows why the material is so light and why liquids cannot pass through or be absorbed. If the Plastazote foam is squashed and compressed, each cell acts like a balloon and the foam bounces back to its original shape.

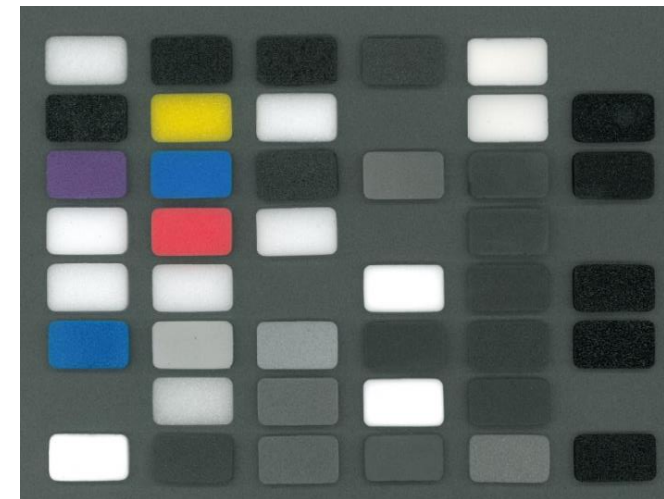
Plastazote is lightweight, non-toxic, odorless, will not absorb water, is buoyant. It can be washed, disinfected and wiped clean, has excellent chemical resistance to most oils, solvents, acids and alkalis. It is weatherproof and has good ultraviolet stability, it is durable, tough and flexible and recovers repeatedly from impacts. It is a highly energy absorbent material and is a very good thermal insulator.

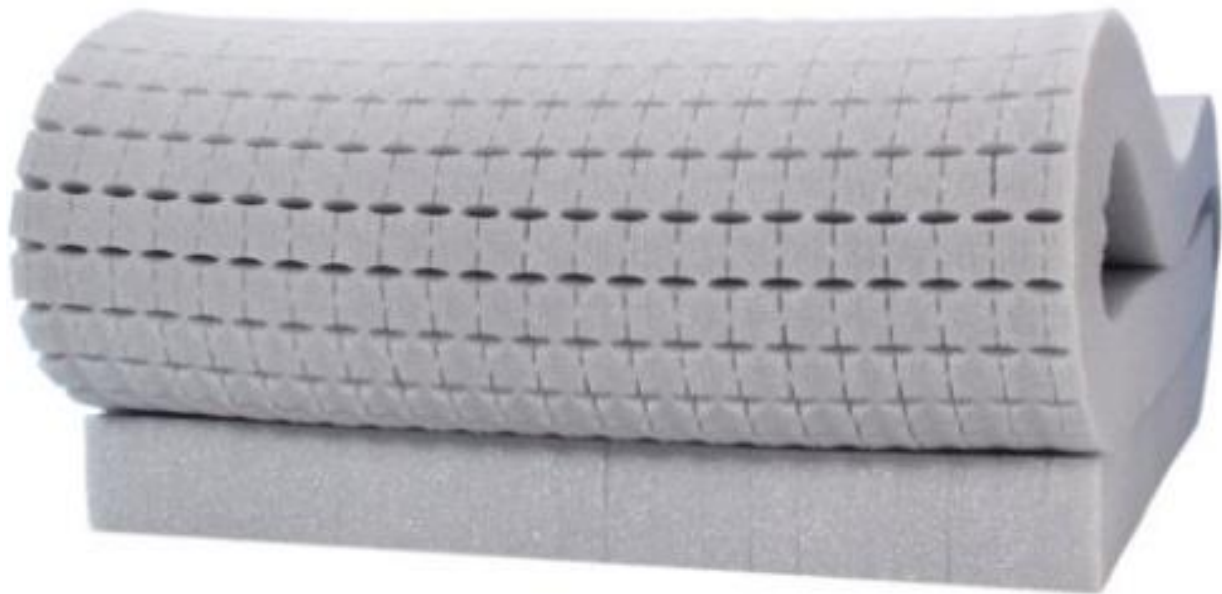
Plastazote Foams are cross-linked closed cell polyethylene foams manufactured from a wide range of polymer combinations to give increased rigidity, higher temperature resistance and improved mouldability. Application areas include packaging, display, protective, automotive, health care and construction. The inert qualities of Plastazote foam have led to its widespread worldwide use in healthcare applications

Grade nomenclatures indicate polymer types and nominal density:
LD = low density polyethylene HD = high density polyethylene
MP = metallocene polyethylene PK = higher rigidity polyethylene
E.g. LD45 Black Plastazote is 45kg/m³ low density polymer polyethylene
LD50CN Black Plastazote is 50kg/m³ low density polymer conductive polyethylene

Additionally, the Plastazote materials are also manufactured as flame retardant, conductive and static dissipative grades. Suffixed FR and FM, the flame retardant Plastazotes meet a whole raft of standards including BS, DIN, CAA, ISO, FAA, FAR, FAA.JAR and FMVSS specifications. The flame retardant materials are widely utilized in the automotive, aerospace and construction industries

Foam colours





25FR

25kg m/3

Polyurethane Foam

Minimum quantity: 200 un.

Manufacturing process: cutting molds

Low wear resistance

Low cost

Colour Grey

Flame retardant, see specs sheet

