



Model Specification: Export Densified Foamed Polystyrene

This model is a typical description of export densified EPS (expanded polystyrene) foam. Individual buyers may have different allowable components in terms of contents and sizes.

Basic overview:

Foam Polystyrene blocks must include at least 98% polystyrene foam.

Moisture content must be less than 2%. This specification is intended for densified foam that will be used as a raw input and not further processed before extrusion.

Export densified waste EPS foam can be collected from the public at municipal or private drop-off facilities. It can also be collected from EPS manufacturing facilities.

Material can be densified through cold or thermal compression.

Grades:

White Grade- White polystyrene foam with minimal tape, labels, and food stains.

Neutral Grade- Mixed colour polystyrene foam with minimal tape, labels, and food stains.

THE FOLLOWING CONTAMINANTS ARE NOT ALLOWED IN ANY QUANTITIES:

- Hazardous waste (Note: Waste sourced from EPS construction materials MAY contain flame retardant additives typically < 1%; these may include Hexabromocyclododecane (HBCD) additives and should be noted as a potential minor component. HBCD may render EPS waste as 'hazardous' under the Basel Convention).
- Medical waste (Note: non-contact EPS packaging from medical facilities are allowed)
- Radioactive materials
- Residual Chemicals (Flammable, corrosive or reactive materials, Pesticides, Herbicides)
- Non-plastics*
- Any other plastic containers or packaging including PET (#1), HDPE (#2), PVC (#3), LDPE (#4) PP (#5), or Other #7 Plastics

*Non-plastics including, but not limited to, aggregate (asphalt, concrete, rock, stone, etc.), fibre (cardboard, fabric, paper, etc.), glass, metal, and wood.

Block Size :

Typical log/block size : large : 0.4m x 0.4m x 1.0m (tbc)

Small : 0.15m x 0.15 m x 1.0m (tbc)

Block Density: Typical range 150-500 Kg/m³ (cold compression); 400-900 Kg/m³(thermal compression)

Shipping Form: Logs/blocks or ingots on pallets

Pallet Wrap: Typically one layer of stretch wrap should cover the blocks from top to bottom, securing logs/blocks/ingots to the pallet. This may vary according to the buyer.

Integrity: Pallet integrity must be maintained throughout loading, shipping, unloading and storage.

Storage: Pallets should be stored indoors or covered outdoors. Material should not be stored outdoors uncovered for a period exceeding two (2) weeks to prevent UV degradation from direct sunlight and moisture contamination. (tbc)