



POLAR ICE LTD. INSULATED
STORAGE CARTONS





3.5KG CAPACITY POLAR CARTON

Internal Dimensions:

17 cm L x 17 cm W x 17 cm Depth

External Dimensions (Inc. Outer Sleeve):

27 cm L x 27 cm W x 27 cm Depth



10KG CAPACITY POLAR CARTON

Internal Dimensions:

29.5 cm L x 23 cm W x 22.5 cm Depth

External Dimensions (Inc. Outer Sleeve):

39.5 cm L x 33 cm W x 32.5 cm Depth



20KG CAPACITY POLAR CARTON

Internal Dimensions:

54.5 cm L x 35 cm W x 15 cm Depth

External Dimensions (Inc. Outer Sleeve):

57.5 cm L x 38 cm W x 18 cm Depth



HANDLING OF DRY ICE

Insulated gloves should be worn when handling dry ice. A glove with a closed cuff is best. Do not handle dry ice with bare hands. It can cause severe cold burns and frostbite. Personal protective equipment should be worn when handling packets or containers of dry ice. When moving dry ice packages protective footwear is recommended.

THERMOSAFE E89



External Dimensions:

53.3 cm L x 35.6 cm W x 44.5 cm Depth

Empty Weight:

3.4 kgs



Internal Dimensions:

41.3 cm L x 23.5 cm W x 26 cm Depth

THERMOSAFE E327



External Dimensions:

59.1 cm L x 58.4 cm W x 61 cm Depth

Empty Weight:

6.4 kgs



Internal Dimensions:

47 cm L x 46.4 cm W x 42.5 cm Depth

DRY ICE 24 HOUR SUBLIMATION RATES



Approx.

25-30%

using Polar Ice Polybox Cartons
Quantities 10kg - 20kg



Approx.

11-15%

using ThermoSafe Boxes
Quantities 20kg - 80kg

Warmer temperatures **increase** the rate of sublimation.

Colder temperatures **decrease** the rate of sublimation.

Larger volumes of dry ice in a container **decrease** the rate of sublimation.

FACTORS AFFECTING SUBLIMATION

Many factors can affect the rate at which dry ice sublimates from a solid state to a gaseous carbon dioxide;

- the ambient temperature and humidity.
- the quality (insulation properties) of the storage container.
- the number of times the container is opened and closed.
- the amount of dry ice in the container.

Further information can be found at www.polarice.ie