



ARIYAN INTERNATIONAL INC.
Bridging Businesses Together

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STANDARD SPECIFICATION OF POLYCUBE

POLYCUBE PACKAGE (300/KG.)

The Polycube® is a special transport container that was developed for the cold transport of pasty and vicious materials in particular bitumen.

A Polycube® differs considerably from the traditional big bag when it comes to quality, size, shape and design. In terms of design and use of materials, the Polycube® was created as a solution to meet the high demands imposed by the international cold transport of bitumen, to guarantee toughness, self-stabilization, and at the same time, maximum flexibility for a competitive price.

FILLING MACHINE:

The filling machine (FM) is designed to cool down and fill paving grade bitumen into Polycubes®. Bitumen supplied from storage tanks up to a temperature of 180 °C is cooled down to a filling temperature just below the melting point of the packaging material. The cooling process is fully automatically controlled. The heat quantity of the bitumen is transferred to thermal to thermal oil in a specially designed heat exchanger. Finally, the heat is given off to ambient air. The filling of Polycubes® is carried out semi-automatically. The operator must place the empty Polycube® under the filling head and initiate filling. After reaching the exact weight, the filling head automatically stops the bitumen flow. The operator closes the Polycubes®, and removes them from the filling station by forklift.

POLYCUBE SPECIFICATIONS:

Filling quantity for bitumen: 300/Kg.

MATERIAL:

TECHNICAL SPECIFICATION	SPECIFICATION
Outer bag:	PP Fabric
Liner:	PE
Melting point outer bag (PP):	155 °C
UV-Resistance:	6 Months
Multi use of outer bag:	No



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DIMENSIONS:

L x W x H (Circ): 100 x 50 x 50 cm

Tare weight outer bag (circ): 1.1/Kg.

Tare weight liner (circ): 1.3/Kg.

Tare weight Polycube (circ): 1.4/Kg.

QUANTITIES:

Number of Polycube fitting in a 20ft. container: 80

Quantity of Bitumen fitting in a 20ft. container: 24/MT.

