

Ref: Bhel/Bhopal/LGX/barrier/01

Product Specification (Aluminium Barrier Laminated Bags)

GENERAL:

Aluminium Barrier Laminated Bags for using in packaging of the specific items for their protection from moisture and rust. These are to be heat sealed on the joints for better protection.

APPLICATION:

The product is to be used for packing of engineering goods. Heat seal worthy structure useful as a barrier material limiting passage through itself of solids, liquids, semisolids, gases or forms of energy such as ultraviolet light. Heat sealing of bag must be possible to prevent moisture entering the package.

COMPLIANCE:

Material must be a first ply of a relatively tough, bi-axially oriented film of organic polymer adhered to second ply of metallic foil/coating and a third ply of a tough polymer such as polyethylene with proper flexibility.

Properties	Units	
Weight	g/m ²	150 $\pm$ 5 GSM
Tensile Strength	N/mm ² MD N/mm ² TD	40 (min) 41(min)
Water vapour Transmission	g/m ²	.01 in 24 hrs. at 38 degree C & 90% RH (max)
Oxygen Transmission	Cm ³ /m ²	.02 in 24 hrs at 38 degree C & 90 % RH(max)
Sealing Temp.	Degree C	180 - 220 degree C

Supply of vacuum Bags:

Vacuum Bags are to be supplied, made out of above material when demanded within specified time as per size (LxWxH (mm) & Surface area (sq.m)) given by BHEL.

Bags are to be supplied with five sides sealed and Top cover in loose form. Sealing width should be 8 mm minimum.