

## ABS / PC Luggage Boxes Making:



Why make Luggage from ABS and not from any other plastic? No one might have thought of this.

ABS is a terpolymer made by polymerizing 40% to 60% Styrene + 15% to 35% Acrylonitrile + 5% to 30% Poly-butadiene.

- The acrylonitrile contributes heat & chemical resistance, fatigue resistance, hardness, and rigidity.
- The styrene gives the plastic a shiny, impervious surface, as well as hardness, rigidity, and improved processing ease.
- The polybutadiene, a rubbery substance, provides toughness and ductility at low temperatures
- ABS can be used between  $-20$  and  $80$  °C

AND

Why to make PC [Poly-carbonate] luggage?

PC is harder and has high impact resistance, assisting us to make Durable luggage  
It Is Transparent so; it has excellent transparency that means it is easy to make in different colors and patterns  
It is light weight as well.



To make the Boxes, the process shall be:

The demand in HINDU STHAN:

About Rs. 6500 Cr. worth of INDIAN Luggage market consists of 50/50 for organized and unorganized sectors and this unorganized sector offers a nice push to go in for this project.

The unorganized segment within India luggage and bags has been traditionally dominating in terms of revenue.

The actual competition stage is Fragmented for unorganized sector [Tom/ Dick / Harry] players and is concentrated for organized sector players [Samsonite / Safari / VIP in INDIA]

The organized sector players in INDIA look doing business as below, mostly:

Material and capacity	Rs. Cr. Machinery with Duties
ABS + PC 2/3 layer making 240 to 300 Kg / Hour	3.65
300 to 350 Kg per hour	3.85
Pure PC luggage making 2/3 layer 240 to 300 Kgs	4
Pure PC luggage making 2/3 layer 350 to 400 Kgs	4.25

This is ever needed product and the replacement cycle for the product is at about 5 to 7 years among younger generation in INDIA.

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