

LIFE CYCLE ASSESSMENT

DECLARATION STATEMENT

**A Comparative Analysis of Metal Trims:
Hot Chamber Die Casting: Gun Metal Finish vs. Original Finish
Sheet Metal Pressing: Gun Metal Finish vs. Original Finish**

Ref. No.: PPS/IND/2020/08/002

Name of Product	: Metal Trims
Name of Company	: Jindal Polybuttons Pvt. Ltd.
Functional Unit	: 1 Kg of Metal Trims
System Boundary	: Gate to Gate
Assessment Site	: Jindal Polybuttons Pvt. Ltd. 10 K.M. Stone, Delhi Road, Hisar, Haryana – 125006. India
Assessment Period	: 06-10-2020 to 25-01-2021
Assessment Guideline	: ISO 14040:2006 & ISO 14044:2006
Data Collection	: Applicant collected and provided all the data for different batches
Data Verification	: 15/12/2020
Report No. & Date	: Ref. No.: PPS/LCA/2021/01/01; Report Date: 25/01/2021 (Please refer to report for detailed information)
Results	:

Impact Category	% Savings by Original Finish (without Electroplating) for Hot Chamber Die Casting Process	% Savings By Original Finish (without Electroplating) for Sheet Metal Pressing Process
Electricity Consumption (kWh.)	14%	46%
Chemical Consumption (Kg.)	45%	75%
Solid Waste (Kg.)	100%	93%
Waste Water Generation (Lit.)	75%	91%
Water Consumption (Lit.)	65%	91%
GHG Emissions (KgCO ₂ e.)	0%	14%

The values show the positive impacts of the original finish with the environmental benefits represented by the percentage savings for impact categories for HCDC & SMP process. Thus, Jindal Polybuttons, Hisar, India, has successfully completed LCA Studies.

Declared By,



Mr. Prakhar Goel
Manager
Peterson Projects & Solutions

PETERSON 

Date and Place of issue,
29/01/2021, Rotterdam, Netherlands

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