

नाम :- Meridul Krishna Pandey / College :- Gov. Polytechnic College Pawai.

Branch :- Mechanical and Akshay Garg

Year = 1st

— | wisdom - Helmet | —

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IS :- 812058

Subject  
13-1-24

13/1/24

## Introduction

According to me the helmet is used for protect our head from the accident. And also designates the Bureau of Indian Standards as the certifying and enforcing authority for quality control of helmets.

We use full face helmet to your go folks! These are considered the safest as they provide full coverage to the skull, neck, and chin area as well. ISI - Certified helmets conform to the regulatory safety requirements of helmets being sold in India.

Choose a helmet with a polycarbonate or composite shell. These materials are strong and provide good protection in the event of a crash quick-release system.

### (1) Scope

\* This standard lays down the requirements regarding material construction workmanship finish, mass and performance for protective helmets (with or without lower face covers) for everyday use by motorcycle riders.

\* The helmets covered by this standard are not intended for high speed competitive events.

## (2) Reference

The Indian standard listed in Annex A are necessary adjuncts to this standard.

## (3) Terminology

- \* For the purpose of this standard the following condition shall apply.
- \* A two wheeled motor cycle vehicle inclusive of any detachable side car having an extra wheel, attached to the motor cycle.

### (3.1) Riders Emergency SOS.

- \* If rider was accident was held but the driver was not in his own mind so, the helmet is ~~not~~ detect to the police head quarters and Ambulance immediately.

## Shells

## (4) Materials

- \* The shell of the helmet shall be of non-metallic materials conforming to the test requirements.

### Protective padding

- \* It shall be of expanded polystyrene or any other material having similar properties.

### Metal parts

- \* The metal parts in the helmets shall be either inherently corrosion resistant or shall have been treated for corrosion resistance. Such parts shall show no sign of corrosion when subjected to test as specified in IS: 812058

## (5) Requirements

### \* Types of Conditioning

- (a) Solvent conditioning:- Take a cotton cloth approx. ~~25ml~~ 250mm square feet and containing 25ml of a solvent consisting of test liquid with (70%) O tane.
- (b) Ambient:- The helmet shall be exposed to a temperature of  $25 \pm 5^\circ\text{C}$ .
- (c) Heat Conditioning:- The helmet shall be exposed to a temperature  $50 \pm 2^\circ\text{C}$ .
- (d) UV radiation:- The outer surface of the helmet shall be exposed to UV rays by a 125 watt.

## (6) Dampening and criteria for conformity

### \* Instruction

- (a) For adequate protection, the helmet shall fit closely and the chin strap.
- (b) The helmet is made to absorb some of the energy flow by partial destruction.
- (c) To maintain the full efficiency of this helmet, there shall be no alteration.

## (7) Marking

- (a) Manufacturing name or trade mark
- (b) Size
- (c) Year of manufacture
- (d) Mass of helmet.

## (12) BIS Certification Marking

\* BIS was certified the helmet under the BIS Act 1996 to promote harmonious development of the activities.