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**THADHANI®**  
The Experts in Safety... Since 1947

## SHELMET PN 521



**CERTIFIED TO IS 2925:1984**

|   |                                |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---|--------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>PHYSICAL<br/>PARAMETERS</b> | PROTECTION                        | <ul style="list-style-type: none"> <li>The TRIPLE CORRUGATION on the shell provides greater toughness thereby offering enhanced strength &amp; stronger protection.</li> <li>The anchoring points of the cradle are extra thick to ensure that there is no failure of the cradle in case of an impact.</li> <li>The walls of the Anchor points in the shell where the cradle is anchored are extra thick to prevent any damages to the anchor points upon impact.</li> </ul>                                                                                                                                                                                                                                                                                                                       |
|   |                                | MATERIAL                          | Polypropylene Co-Polymer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|   |                                | WEIGHT                            | 330 gms.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|   |                                | SHOCK<br>ABSORPTION               | <ul style="list-style-type: none"> <li>The function of a helmet is not only to provide protection to the user's head from a falling object but its capacity to reduce the impact which is defined as shock absorption capacity.</li> <li>The choice of material bearing a high degree of elasticity &amp; softness for the molding of Cradle also enhances the Shock Absorption Capacity of the Shelmet.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                |
|   |                                | WEARER<br>COMFORT &<br>ERGONOMICS | <ul style="list-style-type: none"> <li>Forehead comfort pad consists of textile laminated foam sheet to provide extra softness &amp; comfort to the user.</li> <li>The comfort pad is non-skin irritant.</li> <li>The four point attachment cradle within the shell has a unique angular placement to provide optimum shock absorption.</li> <li>Shelmet is provided with side slots for fitting face and hearing protection accessories.</li> <li>The head band is made of non-irritant and soft fabric to provide maximum comfort to the user.</li> <li>Has adjustable chin strap.</li> <li>Has the Ratchet –type adjustment that can be set to the correct head size by pushing the hand-wheel in and turning it. The adjustment position is locked when the hand wheel is released.</li> </ul> |

|   |                        |                                                      |                                                                                                                                             |                                                                       |
|---|------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| 4 |                        | COLOUR PREFERENCE                                    | SHELMET™ is available in more than 10 colours viz. White, Yellow, Blue, Sky Blue, Red, Green, Mt Green, Orange, Grey, Violet & Fluorescent. |                                                                       |
|   |                        | HARNESS PREFERENCE                                   | The Helmet inner Harness is available in options of webbing and polymer as per customer's need.                                             |                                                                       |
|   | CLIMATE CONDITION TEST | VERY HOT CLIMATE (50°C)                              |                                                                                                                                             | Sustains a temperature of 50±5°C for 4 hours in an oven.              |
|   |                        | VERY COLD CLIMATE (-10°C)                            |                                                                                                                                             | Sustains a temperature of -10±2°C for 4 hours in a refrigerator.      |
|   |                        | HEAVY RAINFALL                                       |                                                                                                                                             | Water flowing all over the surface at a rate of 1Ltr/min for 4 hours. |
|   | VITAL TEST COMPLIANCE  | SHOCK ABSORPTION AS PER IS 2925:1984                 |                                                                                                                                             | Conforms.                                                             |
|   |                        | PENETRATION RESISTANCE TEST AS PER IS 2925:1984      |                                                                                                                                             | Conforms.                                                             |
|   |                        | FLAME RESISTANCE TEST AS PER IS 2925:1984            |                                                                                                                                             | Conforms.                                                             |
|   |                        | HEAT RESISTANCE TEST AS PER IS 2925:1984             |                                                                                                                                             | Conforms.                                                             |
|   |                        | WATER ABSORPTION RESISTANCE TEST AS PER IS 2925:1984 |                                                                                                                                             | Conforms.                                                             |
|   |                        | ELECTRICAL INSULATION TEST AS PER IS 2925:1984       |                                                                                                                                             | Conforms.                                                             |



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