

TECHNICAL DATA SHEET

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SHELMET PN 521



Available in colors:



IS 2925:1984



CM/L-3242342



CERTIFIED TO IS 2925:1984

1	PHYSICAL PARAMETERS	DESIGN	<ul style="list-style-type: none">The TRIPLE CORRUGATION on the shell provides greater toughness thereby offering enhanced strength and stronger protection.The anchoring points of the cradle are extra thick to ensure that there is no failure of the cradle in case of an impact.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.
		MATERIAL	Polypropylene Co-polymer
		WEIGHT	300 gms.
		SHOCK ABSORPTION	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
			<ul style="list-style-type: none">Forehead comfort pad consists of textile laminated foam sheet to provide extra softness and comfort to the user. The comfort pad is non-skin irritant.The nape strap of the Shelmet has a very simple design consisting of locking holes in a row along with molded locking heads for a very easy adjustment of the headband.The four-point attachment cradle within the shell has a unique angular placement to provide optimum shock absorption.Shelmet is provided with side slots for fitting face and hearing protection accessories.The head band is made of non-irritant and soft fabric to provide maximum comfort to the user.Has adjustable chin strap.Comes with manual adjustment to suit most head sizes.

	Harness Options	The Helmet inner harness is available in options of textile and plastic as per customer's need.	
2 VITAL TEST COMPLIANCE	CLIMATE CONDITION TEST	VERY HOT CLIMATE (50°C)	Sustains a temperature of $50 \pm 5^\circ\text{C}$ for 4 hours in an oven.
		VERY COLD CLIMATE (-10°C)	Sustains a temperature of $-10 \pm 2^\circ\text{C}$ for 4 hours in a refrigerator.
		HEAVY RAINFALL	Water flowing all over the surface at a rate of 1ltr/min for 4 hours.
	SHOCK ABSORPTION TEST	AS PER IS 2925:1984	Sustains a free fall weight of 3 kgs. from a height of 1.5Mtr \pm 5mm.
	PENETRATION RESISTANCE TEST	AS PER IS 2925:1984	Sustains an impact of pointed conical steel plumb bob having mass of 500 gm dropped on the helmet from a clear height of 3.0 Mtr.
	FLAME RESISTANCE TEST	AS PER IS 2925:1984	Does not catch fire within 5 seconds of removal of the flame.
	CHIN STRAP ANCHORAGE TEST	AS PER IS 2925:1984	Sustains the hanging weight of 10 Kgs for 10min
	HEAT RESISTANCE TEST	AS PER IS 2925:1984	No Separation, distortion & softening of helmet when placed at temperature of $93 \pm 5^\circ\text{C}$ for 15Min.
	ELECTRICAL RESISTANCE TEST	AS PER IS 2925:1984	Sustains 2000 volts for 01 min.

LIST OF AVAILABLE SHELMET VARIANTS

ARTICLE	DESCRIPTION
PN523	SHELMET RATCHET TYPE WITH PLASTIC CRADLE WITH CHIN CAP
PN524	SHELMET RATCHET TYPE WITH PLASTIC CRADLE WITH VENTILATION HOLES
PN525	SHELMET RATCHET TYPE WITH PLASTIC CRADLE WITHOUT PEAK
PN526	SHELMET RATCHET TYPE WITH PLASTIC CRADLE WITHOUT PEAK WITH "Y" TYPE CHIN STRAP
PN527	SHELMET RATCHET TYPE WITH PLASTIC CRADLE WITH PEAK WITH "Y" TYPE CHIN STRAP
PN528	SHELMET RATCHET TYPE WITH PLASTIC CRADLE WITH VENTILATION HOLES WITHOUT PEAK
PN531	SHELMET RATCHET TYPE WITH WEBBING CRADLE
PN533	SHELMET RATCHET TYPE WITH WEBBING CRADLE WITH CHIN CAP
PN534	SHELMET RATCHET TYPE WITH WEBBING CRADLE WITH VENTILATION HOLES
PN535	SHELMET RATCHET TYPE WITH WEBBING CRADLE WITHOUT PEAK
PN536	SHELMET RATCHET TYPE WITH WEBBING CRADLE WITHOUT PEAK WITH Y TYPE CHIN STRAP

Available Variations:



PN 523 with Plastic Cradle and Chin Cap



PN 524 with Plastic Cradle and Ventilation Holes



PN 525 with Plastic Cradle and without Peak



PN 526 with Plastic Cradle, without Peak and Y-type Chin Strap



PN 527 with Plastic Cradle, with Peak and Y-type Chin Strap



PN 528 with Plastic Cradle, Ventilation Holes and without Peak



PN 531 with Webbing Cradle



PN 533 with Webbing Cradle and Chin Cap



PN 534 with Webbing Cradle and Ventilation Holes



PN 535 with Webbing Cradle and without Peak



PN 536 with Webbing Cradle, without Peak and Y-type Chin Strap