

TECHNICAL DATA SHEET

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SHELTEK PN 581



IS 2925:1984



CERTIFIED TO IS 2925:1984, EN 397:2012+A1: 2012 AND EN 50365:2002

1	PHYSICAL PARAMETERS	GENERAL	PROTECTION	The QUADRUPLE CORRUGATION on the shell provides greater toughness thereby offering 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 anchoring points in the shell where the cradle is anchored are extra thick to prevent any damages and slip out of the anchor points upon an impact.
			MATERIAL	Made of Polypropylene Co-Polymer
			SHOCK ABSORPTION	The function of a Safety 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.
			WEARER COMFORT & ERGONOMICS	<ul style="list-style-type: none">Forehead comfort pad consists of textile laminated foam sheet to provide extra softness & comfort to the user.The comfort pad is non skin irritant.The unique Head band allows good absorption of sweat.Maintains a neutral pH. Hence does not cause skin irritation.It does not stain the skin through any release of colourThe nape strap of the Sheltek has a very simple design consisting of zigzag locking patterns in a row along with two moulded locking heads for a very easy adjustment of the headband.The six point attachment cradle within the shell has unique angular placement to provide optimum shock absorption.Sheltek 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 Ratchet- type adjustment for comfort and better grip.



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2	VITAL TEST COMPLIANCE	<ul style="list-style-type: none"> Ratchet of the SHELTEK has a very innovative design consisting of ratchet cover, ratchet base and knob for very easy adjustment of the headband. 	
		COLOUR PREFERENCE	SHELTEK offers more than 10 colours viz. White, Yellow, Star Blue, Lamination Blue, Red, Mint Green, Hyd. Green, Orange, Grey & Violet.
		HARNESS PREFERENCE	The Helmet inner harness is available in options of webbing and polymer as per the customer need.
		WEIGHT	420-440 gms
		CONDITIONING BEFORE TEST	VERY HOT CLIMATE
			Placed at a Temperature of $50\pm 5^{\circ}\text{C}$ for 4 hours in an oven.
			VERY COLD CLIMATE
		SHOCK ABSORPTION TEST	Placed at a Temperature of $-10\pm 2^{\circ}\text{C}$ for 4 hours in a refrigerator.
			HEAVY RAINFALL
			Water flowing all over the surface at 1ltr/min for 4 hours.
		PENETRATION TEST	AS PER IS 2925:1984
			Conforms
			AS PER EN 397:2012+A1:2012
			Conforms
		FLAME RESISTANCE TEST	AS PER IS 2925:1984
			Conforms
		FLAME RESISTANCE TEST	AS PER EN 397:2012+A1:2012
			Conforms
		CHIN STRAP ANCHORAGE TEST (OPTIONAL)	AS PER EN 397:2012+A1:2012
			Conforms
			AS PER IS 2925:1984
		ELECTRICAL INSULATION TEST	AS PER EN 397:2012+A1:2012
			Conforms
		ELECTRICAL RESISTANCE TEST	AS PER IS 2925:1984
			Conforms



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	LATERAL DEFORMATION TEST (OPTIONAL)	AS PER EN 397:2012+A1:2012	Conforms
	VERY LOW TEMPERATURE -20°C or - 30°C (OPTIONAL)	AS PER IS 2925:1984	Conforms
	WATER ABSORPTION TEST	AS PER IS 2925:1984	Conforms
	NON-ELECTRICAL & ELECTRICAL REQUIREMENTS	AS PER EN 50365:2002	Conforms