

TECHNICAL DATA SHEET

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SHELBLAST WITH PEAK HAVING PLASTIC CRADLE WITH RATCHET TYPE ADJUSTMENT PN 542



CERTIFIED TO EN 397:2012+A1:2012 AND EN 50365 :2002

1	PHYSICAL PARAMETERS	GENERAL	SHOCK ABSORPTION	<ul style="list-style-type: none">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.The 8-point attachment cradle within the shell has a unique angular placement to provide optimum shock absorption.
			ADJUSTMENT TYPE	Ratchet- Type adjustment for Comfort and Better Grip: Ratchet of the Shelblast has a very innovative design consisting of ratchet cover, ratchet base and knob for easy and smooth adjustment of the headband.
			COLOUR PREFERENCE	Shelblast offers more than 10 colors viz. Super White, Lemon Yellow, Star Blue, Lamination Blue, Red, Mint Green, Hyd. Green, Chrome Orange, Brown, Apex Grey and UT Violet.
			HARNESS PREFERENCE	The helmet inner harness is available in options of webbing and polymer as per the customer's need.
			WEIGHT	410 gms \pm 10 gms.
		HELMET SHELL	DESIGN FEATURE	<ul style="list-style-type: none">Equipped with protective peak for better impact resistance.Equipped with ventilated slots with shutter to prevent any rain water seepage.Unique Rain Management system which effectively manages the rain to reduce the flow of water down the neck.Is provided with side slots for fitting face and hearing protection accessories.
			MATERIAL	Polypropylene Co-polymer
		HELMET CRADLE	DESIGN FEATURE	<ul style="list-style-type: none">Equipped with unique 8 Point attachment cradle for optimum shock absorption.Extra thick walls of the Shell prevent any damages and slip caused upon an Impact.
			MATERIAL	LDPE (Low density Polyethylene)

2 VITAL TEST COMPLIANCE AS PER EN 397:2012 AND EN 50635:2002	COMFORT PAD	DESIGN FEATURE	<ul style="list-style-type: none"> Dermatologically tested. Headband comfort pad is non-skin irritant (pH neutral), highly sweat absorbent providing maximum user comfort. Forehead comfort pad provides extra softness and comfort to the user. Does not stain the skin through any release of color.
			Polyurethane
	CHIN STRAP	DESIGN FEATURE	<ul style="list-style-type: none"> Adjustable and replaceable chin strap. Comes in two variants- one with chin cup for additional comfort and second with adjustable slider buckle.
			Polyester
	CLIMATE CONDITION TEST	HIGH TEMPERATURE	The helmet is maintained at a temperature of $50^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for between 4 hours and 24 hours.
		LOW TEMPERATURE	The helmet is maintained at a temperature of $-10^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for between 4 hours and 24 hours.
		WATER IMMERSION	The helmet shall be totally immersed in water at $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for between 4 hours and 24 hours.
	SHOCK ABSORPTION TEST	AS PER EN 397:2012+A1:2012	Sustained a drop of 5 kg mass over the helmet from a height of 1.0 mtr and maximum force observed below 5kN.
	PENETRATION RESISTANCE TEST	AS PER EN 397:2012+A1:2012	Sustained Penetration Test drop of penetrator of 3.0 Kg mass from the height of 1.0mtr on the safety helmet. No damage observed in the shell and harness neither any contact observed between penetrator and headform.
	FLAME RESISTANCE TEST	AS PER EN 397:2012+A1:2012	Sustained the Flammability Resistance Test when subjected to application of flame for the period of 10 seconds. The material of the shell was not burn with emission of flame after a period of 5 seconds following removal of flame.
	CHIN STRAP ANCHORAGE TEST	AS PER EN 397:2012+A1:2012	Sustained Chin Strap Test when subjected to tensile load of onto the chin strap artificial jaws. Artificial jaws were released between 150-250 N..
	NON-ELECTRICAL & ELECTRICAL REQUIREMENTS	AS PER EN50365:2002	<ul style="list-style-type: none"> No conductive parts incorporated in the helmet. Vented holes do not permit contact between IP3X Probe and head form. Shell withstands proof voltage test of 05kV & Withstand voltage test of 10kV.