

Major Product category : FIRE PROTECTION - UNSPSC Code 4619

Sub Category : Fire Fighting Equipment - UNSPSC Code 461916

FIRE BEATERS (Fire suppression hand tools) UNSPSC Code - 46191605-03

S.No.	Parameters	Ch/N	Value 1	Value 2	Whether Filter Required	Unit
Generic						
1	FIRE BEATERS	Ch	Fire beaters are often used for putting off small fires such as wild grass, shrubs, dry vegetation, hay, plastics, coal which can be easily put out by beating and smothering. This piece of equipment finds much application in rural areas and in those places where there is a scarcity of water.		M	
2	FIRE BEATERS Specification	Ch	Conforming to IS:8096 latest		G	
3	Overall length of the fire beater	N	2300 ± 30mm		G	
Constructional						
1	Construction of Fire Beaters	Ch	A fire beater should be made as light as possible yet its constructions should be sturdy and made out of non-combustible materials.		M	
2	Material used for Steel Wire Fabric	Ch	Steel wire fabric for blade conforming to IS 4948 latest		M	
3	Material used for Blade	Ch	Expanded steel used for blade conforming to IS 412 latest		M	
4	Fire Retardant Treated or Fire Resistant Canvas	Ch	Canvas used shall be fire retardant treated to make them fire resistant.		F	
5	Mild steel round for frame	Ch	conforming to IS 1732 latest		F	
6	Mild Steel Sheet for Shank	Ch	Mild steel sheet for shank conforming to IS 1079		F	
7	Spring Steel Wire	Ch	Spring steel wire shall conform to IS 4454 (Part 1)		F	
8	Handle Construction	Ch	made from solid Bamboo	made from any other heat insulated properties material	M	
9	Name of material other than Bamboo(write NA if not applicable)	Ch			M	
10	Handle Length	N	≤ 1800 mm		M	mm
11	Handle Diameter	N	30±5mm		M	mm
12	Bamboo Handle Treatment	Ch	Handle before fitting into the socket made in shank shall be liberally swabbed with termite resistant composition comprising 10 percent solution of acid-chromate composition in water. It will then be allowed to dry for at least 24 hours.		M	
13	Free End of Handle	Ch	The free end of the bamboo handle shall be protected from disintegrating by fitting with a hollow close ended cap made of chrome plated Mild steel or aluminium.		M	

14	Protective cap at free end of handle	Ch	The protective cap shall have knurlings made on its outer surface to enhance grip. Minimum 5 mm of the round edges of this knurled protective cap shall be chamfered all round at 45 degree to reduce sharpness.		M	
15	Fire Beater Blade construction	Ch	expanded mild steel or steel	steel wire mesh	M	
16	Fire Beater Blade size	Ch	452 mm x 352 mm		M	
17	Covering	Ch	fully covered on both sides with stretched fire resistant canvas olive green in colour placed between two frames and securely fixed in position with hexagonal nut-bolts using spring washers all round the frame		M	
18	Painting	Ch	All the metal surfaces, both exposed hidden, including those of the frame, shank and socket shall be coated with 1 mm thick layer of rust resistant lead oxide primer.		M	
19	Marking	Ch	Each fire beater shall be legibly and indelibly stamped on the metallic portion of the handle with the manufacturer's name or initials or recognized trade-mark and the year of manufacture.		M	
Performance						
1	Overall mass of Fire Beater	N	≤ 3.250 kg		M	Kg
2	Mass of the handle including knurled protective cap	N	≤ 1.525 kg		M	kg
3	Mass of the finished blade of the fire beater with shank piece in duly bolted condition	N	≤ 1.725 kg		M	kg
Certification						
1	BIS Marking	Ch	YES	NO	G	
2	CM/L Number with Validity Period (write NA if not applicable)	Ch			M TBD	
3	Availability of Test Report from Central Govt./NABL/ILAC accredited lab to prove conformity to specification	Ch	Yes		M	
4	Test Report No.	Ch			M TBD	
5	Test Report Date	Ch			M TBD	
6	Name of the Lab	Ch			M TBD	
7	Address of the Lab	Ch			M TBD	
8	Test Report to be provided to the buyer on demand	Ch	yes		M	