

Major Product category : FIRE PROTECTION - UNSPSC Code 4619

Sub Category : Fire Fighting Equipment - UNSPSC Code 461916

Powder Based wheeled fire extinguishers : UNSPSC Code - 46191601--- (ITCHS CODE)

S.No.	Parameters	Ch/N	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Validation	Unit
Generic										
1	ABC / BC Powder wheeled fire extinguishers	Ch	Conforming to IS 16018 latest						M	
2	Scope	Ch	Powder based wheeled fire extinguishers are larger version of the portable fire extinguishers.						M	
3	Nominal Charges Content capacity	N	25	50	75				G	Kg
4	Extinguishing Medium	Ch	Dry chemical powder for fighting B and C class fires conforming to IS 4308	Dry chemical powder for fighting A , B and C class fires conforming to IS 14609	Dry powder for fighting fires in burning metals conforming to IS:4861				F	
5	Propellants Type	Ch	Stored Pressure	ISI marked propellant gas cartridges to IS 4947	External gas cartridge as per IS 7285				F	
6	Propellant for stored-pressure and cartridge operated wheeled fire extinguishers		Air	Argon	Carbon dioxide	Helium	Nitrogen	Mixture of gases	F	
7	Internal CO2 Cartridge capacity as per IS:4947	Ch	300			NA for not applicable			F	gram
8	External booster cartridge capacity as per IS:7285		1	2	NA			F	KG	
9	Suitably for the Class "A" of Fire	Ch	yes			NO			F	
10	Suitably for the Class "B" of Fire	Ch	yes			NO			F	
11	Suitably for the Class "C" of Fire	Ch	yes			NO			F	
12	Suitably for the Class "D" of Fire	Ch	yes			NO			F	

Constructional										
1	Low Pressure Cylinders (service pressure less than 2.5 Mpa)		yes							
2	Propellant Cylinder Material	Ch	Welded Low Carbon Steel conforming to IS:7285 contain a maximum of 0.25 percent carbon, 0.05 percent sulphur and 0.05 percent phosphorus.	Austenitic stainless steel having a maximum carbon content of 0.03 percent		Aluminium cylinders of a seamless construction conforming to IS 15660		G		
3	Rechargeable	Ch	Yes					M		
4	Constructional requirements of complete fire extinguisher	Ch	as per clause 8 of IS :16018					M		
5	Discharge Assembly	Ch	Hose at least 4.0 m long and a shut-off nozzle at the end of the hose		Hose at least 1.5 m long with shut-off nozzle at the end for less than 25 kg/ 25 Liter capacity			F		
6	Wheeled Carriage Assembly	Ch	yes , as per clause 8.18 of IS 16018					M		
7	Total mass of a fully charged wheeled fire extinguisher(without trolley and trailer)	Ch						$17 \leq N \leq 450$	Kg	
8	Durability of fully charged wheeled fire extinguisher	Ch	as per clause 6.7 of IS 16018					M		
9	Electrical Conductivity of Extinguisher Discharge	Ch	as per clause 6.8 of IS 16018					M		
10	Colour for wheeled fire extinguisher bodies	Ch	Fire Red					M		
Performance										
1	Discharge Capacity	Ch	minimum 85 percent by mass of the actual rated capacity of the extinguisher, when the extinguisher is set into operation under normal temperature conditions of $27^{\circ}C \pm 5^{\circ}C$					M		
2	Operating Temperature	Ch	+5°C to +55°C	-5°C to +55°C	-10°C to +55°C	-20°C to +55°C	-30°C to +55°C	-40°C to +55°C	G	°C
		Ch	-55°C to +55°C							

3	Effective Discharge Time	Ch	≥ 20 second	M	
4	Effective Discharge Time with a Class A rating	Ch	≥ 30 second	M	
5	Bulk range throw of wheeled fire extinguishers with a Class A rating	N			≥ 6 meter
6	Duration of Discharge wrt capacity	N		M	second
7	Maximum service pressure (PMS)	N		M	
8	Minimum Bursting Pressure	N		≥ 5.5 Mpa	Mpa
Certification					
1	Marking	Ch	as per clause 9.2 of ISS	M	
2	BIS Certification Marking	Ch	yes	M	
3	CM/L Number	Ch		TBD	
4	Availability of Test Report from Central Govt./NABL/ILAC accredited lab to prove conformity to specification	Ch	Yes	M	
5	Test Report No	Ch		M	
6	Test Report Date	Ch		M	
7	Name of the Lab	Ch		M	
8	Address of the Lab	Ch		M	
9	Test Report to be provided to the buyer on demand	Ch	yes	M	