

Multipurpose ABC Dry Chemical Powder (with Monoammonium Phosphate)

Description

IFP-ABC-DCP is Monoammonium Phosphate based Dry Chemical powder, capable to resist influences of climatic extremes both temperature and humidity having the following important characteristic qualities :

- Non hygroscopic and moisture resistant
- Non Toxic
- Non abrasive
- Non Caking
- Compatible with foam and other dry chemical powders
- High specific surface coverage (cm²/gm)
- Absolutely free flowing

Application

IFP-ABC-DCP is a general purpose (universal) dry chemical powder with excellent efficiency to fight all classes of fires i.e. A, B, C, D and E Fires. It is suitable for all types of hand-operated fire extinguishers as well as for mobile extinguishers and fixed installations. As dry propelling agents compressed air, nitrogen or carbon dioxide can be used. When these powders are applied to hot and smouldering surfaces, the particles fuse and swell to form a barrier which excludes oxygen and thereby completes the extinguishing process and prevents re-ignition

Toxicity

IFP-ABC-DCP is non toxic and harmless to human and animal bodies. Extensive tests have indicated that in normal application no detrimental effect will be experienced.

Storage and Shelf Life

IFP-ABC-DCP has been formulated by siliconised ingredients for free flowing with no loss of properties during a very long storage life. A storage life in excess of 5 years is expected if stored in original container in a dry atmosphere of less than 75% relative humidity and temperature preferably within 50 C.

Standard Packing

Standard packing are available as per the extinguisher size from 1 kg upto 9 kgs. Standard packs are available in double layer hermetically sealed polyethylene bags. 25 kgs.(net wt) packing is available in polyethylene bags as well as buckets for safe handling. For safe transportation these bags may be packed in mild Steel Drums / High Density Polythene Drums of suitable sizes if required by Customer.

Approvals

BIS Marked

Standards

IS 4308

EN 615

Physical and Chemical Data

IFP-ABC-DCP are available in three grades depending upon the MAP content. These are ABC-40, ABC-70, ABC-90

Appearance	Free Flowing Powder	
Colour	Pale Yellow	
MAP Content	40 - 90%	
Apparent Density gm/ml	1.10 to 0.75	
Particle size distribution	Min	Max
0.150 mm	2%	10%
0.075 mm	12%	20%
0.045 mm	18%	30%
Moisture Content, Max	0.25%	
Water Repellency, Min	1.5%	
Fluidity, gm/sec, Min.	50	

Ordering Information

Part Number	Description	Volume, m ³ (ft ³)	Weight (kg)
201021-01	Polythene bag	--	4.0
201021-02	Polythene bag	--	6.0
201021-03	Pail/Can of 25 kg		26.2
201022-01	Polythene bag	--	4.0
201022-02	Polythene bag	--	6.0
201022-03	Pail/Can of 25 kg		26.2
201023-01	Polythene bag	--	4.0
201023-02	Polythene bag	--	6.0
201023-03	Pail/Can of 25 kg		26.2

Due to continuous R&D work, effects of product improvements are incorporated as and when required

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