# TECHNICAL DATASHEET OF FIRE HOSE REEL

DATASHEET NO. : IFAPL-TDS-05




## IS: 12585 THERMOPLASTIC FIRE HOSES

## TECHNICAL SPECIFICATIONS:

- BIS Standard : IS:12585:1988
- Types Available: TYPE-2
- Material: Thermoplastic Hybrid Compound
- ID (Nominal Bore): 20 mm / 25 mm (As required)
- TYPE-2: Working Pressure 10.2 Kgs/Cm2, Bursting Pressure: 32.5 Kgs/cm2.
- Reinforcement: High Quality Nylon Braided Yarn.
- Adhesion between Lining & Covers: At least 1.4 kN/m, in accordance with IS:3400 (Part-24):2001/ISO 8033: 1991)
- Bend Radius: can work at a radius of 5 times to the nominal bore size, as specified in IS12656:1989.
- Workability: can work at certified pressure as lab tested on calibrated machines.
- Working Temperature: It is approx. 65°C i.e. it can work at this atmospheric temperature without kinking, melting or any sign of collapse.
- Melting Point of Material Used: The melting point of its basic raw material Polyvinyl Chloride is approx. 360°F = 182° C

Fire retarding properties: Our Polyvinyl Chloride based Thermoplastic Hybrid Compound has inherently superior for fire retarding properties due to its chlorine content. Its ignition temperature is as high as 455° C, and is a material with less risk for fire incidents since it is not ignited easily. It is a self extinguishing material and does not continue to burn. Furthermore, the heat released in its burning is considerably lower than other materials of similar use. It, therefore, contributes much less to spreading fire to nearby materials even while burning. Therefore, our polyvinyl Chloride based compound is very suitable for safety reasons in products close to people's daily lives.

Optional FLUTED Finish for Abrasion Resistance, Kink Resistance & Stronger Grip: We have provided fluted finish on our hoses for making them abrasion resistant while being dragged at the time of fire fighting. This fluted finish also provides Stronger grip while holding with wet hands or otherwise. It also makes it kink resistant due to long grooves on its surface, which provide twist and bend resistance.