



## **Molded Hose, Formed Hose and Reinforced Rubber Hose**

URI provide its customers engineering solution for Molded Hose and Reinforced Formed Hose for application across the industries. Rubber Hoses are designed for each application considering Hose specification, media being conveyed, pressure or vacuum and environmental factors to ensure performance specification are met.

### **Material Selection:**

Hoses are designed and manufactured in a range of material & configuration depending on the function of the Hose. These Hoses are produced in homogenous configuration (single material) or for application requiring increase durability, coolant, fuel oil and chemical resistance, high pressure, vacuum, multilayer and reinforcement layer are used.

### **Material Specification:**

Hoses are manufactured as per industry and specifications like SAE, DIN, BIS and customer specific specification.

### **Formed & Reinforcement Hose Construction**

Molded Hoses without reinforcement are manufactured to a specific configuration or shape based on the Hose geometry.

Formed Hoses which are normally with reinforcement are mandrel built. Tube is extruded with specific ID and reinforcement (braiding or knitting is applied on extruded tube followed by cross head extrusion for cover applications with specific wall thickness, Non-cured Hose is cut to length and fitted in mandrel and cured to final shape.

### **Typical Performance Test**

- Pressure test
- Vacuum test
- Bend test
- Adhesion test
- Oil & Fuel test
- High temp. test

- Low temp. test
- Ozone test
- Rubber properties

## **Type of Hoses**

- Air Intake Hose
- Radiator Hose
- Fuel & Oil Hose
- Vacuum Hose
- CAC Hose
- Breather Hose
- Power Steering Hose
- Brake Hose

### **Radiator Hose**

Designed and manufactured for upper, lower, bypass, heater and other coolant applications. Meets the requirements of SAE J20 RG & R3 class D1 and D2 and other specifications for coolant application. Materials used are highly resistance to Ozone, Weather, Heat and Coolant resistance along with the resistance to electrochemical degradation. Temperature rating is from -40°C to 135°C. Hoses are in various shaped or straight form and sizes are as designed specification.

### **Branch Hose**

Made to fit the specific application for coolant system. These are highly durable and eliminate coolant leaks. Designed to resist electrochemical resistance of coolant with inner tube as well as heat and ozone resistance EPDM cover. It meets the requirements of SAE J20 R4 & R3 Class D1 and D2 specification and temperature resistance from -40°C to 135°C in coolant application.

### **Air Duct Hose & Corrugated Hoses**

Air Duct Hose is used for under hood application and low pressure and low suction application for air cleaner to engine connection, defroster ducting, air ducting. It is flexible, heat resistance and helical steel wire reinforced. Easily it is formed for desire shape and materials like Neoprene with Tear, Abrasion & Ozone resistance are used temperature rating is from -40°C to 110°C.

### **Fuel & Oil Hoses**

Fuel Hoses are designed for transportation of Fuel & oils in Engine and hydraulic systems. Highly Fuel, Oil and Heat resistance rubbers like Nitrile, Viton, and Polyacrylic depending on the application are used in the tube and highly resistance Ozone weather and oil resistance Neoprene, Hypalon, ECO are used for cover application. Meets the SAE J20, J517 and other specifications.

**Application**

Automotive , Construction Equipment, Railways, Defence, Farm Track Equipment, etc.

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