

Hose Related

Properties

MINIMUM BEND RADIUS: Is the minimum radius you can bend a hose before it collapses, measured from the center point to the inside edge.

VACUUM RATING: Vacuum, or negative pressure, is measured in inches of mercury (Hg). Full vacuum is 28" to 29.9" Hg. When the temperature increases, the hose vacuum rating degrades.

PRESSURE RATING: Equal to 50% of the burst pressure.

TEMPERATURE RANGE: Working temperature range is the parameter before hose diminish its properties and performance.

AIR FLOW: The amount of air a hose is capable to transfer, measured in cubic feet per minute (cfm). There are many variables to consider when measuring air flow through a hose listed as follow: Hose length, diameter, friction factor, friction lost, absolute pressure, absolute temperature, absolute air viscosity.

CHEMICAL RESISTANT: Is the change in properties (Change in weight is the most common) due to contact with one or a combination of several chemicals use in the cleaning industry or chemicals in the material being transferred. High temperature will magnify the negative effect from chemicals.

STATIC DISSIPATIVE : Is the capacity to minimize an electric build-up while transferring dust or any abrasive material through a hose. A compound is added to the formulation which will bloom to the surface to capture moisture from the environment and use its conductive property to dissipate the static buildup. (anti-static compound is added to the hose blend). 10^9 resistivity.

STATIC CONDUCTIVE: Is the capacity to bleed all electric build-up while transferring dust or any abrasive material through a hose. This type of material used to manufacture hoses has a similar property as a ground wire. It is also possible to measure a surface resistivity level in Ohms/Square. To be used in area workplace where there is a possibility of combustion because of environmental reasons. 10^4 resistivity.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): list of the California State relating to chemicals known to the state to cause cancer or reproductive toxicity (updated January 2017): this product does not intentionally incorporate any of the chemicals regulated in quantities above the applicable limits.

RoHS COMPLIANCE: Amflex certifies that the raw materials used in the hose extrusion process does not contain any restricted substance listed by the RoHS Directive, such as: Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyl, Polybrominated diphenyl ether.