

Glossary

U

UL: Underwriters' Laboratories, Inc.

V

vacuum: full vacuum is 29.92 in Hg.

vacuum resistance: the measure of a hoses ability to resist negative gauge pressure.

vibration: amplitude motion occurring at a given frequency.

viscosity: the resistance of a material to flow.

vulcanization: a process during which a rubber compound, through a change in its chemical structure, improves or extends elastic properties over a greater range of temperature.

W

warp: (1) The yarn that runs lengthwise in a woven fabric. Also called chain or twist. An individual thread of warp is termed an end. (2) The sheet of yarns laid together in parallel order on a beam to form a warp.

weathering: the surface deterioration of a hose cover during outdoor exposure, as shown by checking, cracking, crazing and chalking.

wire braid: a ply of braided wire reinforcement.

wire reinforced: a hose containing wires to give added strength, increased dimensional stability; crush resistance. See reinforcement

working pressure (WP):

maximum pressure at which a hose is designed to operate.

working temperature: the temperature range of the application, may include the temperature of the fluid conveyed or the environmental conditions the assembly is exposed to in use.

woven jacket: a seamless jacket with continuous parallel warp yarns interlaced spirally with continuous filler elements.

wrapper marks: impressions left on the surface by the material used to wrap the hose during vulcanization. Usually shows characteristics of a woven pattern and wrapper with edge marks.

Y

yarn: a generic term for a continuous strand of textile fibers or filaments in a form suitable for knitting, weaving, or otherwise intertwining to form a textile fabric. It may comprise (a) a number of fibers twisted together, (b) a number of filaments laid together without twist (a ser twist yarn), (c) a number of filaments laid together with more or less twist, or (d) a single filament with or without twist (a monofilament).

This Glossary of Terms, as utilized in the hose industry, includes some definitions from The Hose Handbook, published by the Rubber Manufacturers Association.