

Filament Wound Tubing Handles The Tough Jobs Safely



Stanley Hydraulic Tools, Inc. manufactures a full line of hydraulic tools from air compressors to underwater tools. Designed for rugged industrial use, Stanley incorporated Glasforms unique filament wound epoxy tubing into their exclusive line of pole saws, circular saws and pruners. The composite tubing is produced using a sophisticated, hybrid process of filament winding and pultrusion, molding continuously over traveling mandrels. Reinforcements consist of continuous, pre-stressed axial and biaxial glass fiber in five alternating plies, producing an extremely stiff, non conductive tube. Unlike conventional filament wound or pultruded tubing, reinforcements are precisely oriented to optimize the stiffness to weight ratio. Axial fibers (0 degrees) provide excellent tensile, compressive and flexural properties while biaxial (85 degree) fibers contribute burst, crush and transverse strengths.

Lightweight, electrically non-conductive and inherently corrosion resistant, these composite handles also demonstrate remarkable durability. Stanley saws and pruners incorporate Glasforms advanced composite technology making tough jobs easier and safer.

Process: Continuous Filament Winding

Materials: E-glass fiber in epoxy resin system

Properties: High stiffness to weight ratio, non-conductive and corrosion resistant

Size: 1.25" OD x 1" ID, 1.26" OD x 1.06" ID and .750" OD X .50" ID

For additional information write or call:

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