MAKE THE SWITCH TO THERMOPLASTIC TODAY

RUBBER VS. THERMOPLASTIC

THERMOPLASTIC HYDRAULIC HOSE

Thermoplastic high pressure hose has all the same technical specifications as its rubber counterpart. However, thermoplastic hydraulic hose provides numerous benefits which allow it to outperform its rubber counterpart in certain applications. See for yourself why so many are making the switch to thermoplastic!

ADVANTAGES PROVIDED BY THERMOPLASTIC:

- ### ABRASION-RESISTANT MATTE-FINISH COVER
  There is a stigma around the look and feel of thermoplastic. ProPulse thermoplastic hose uses a unique matte textured finish, which aids in resistance to abrasion. The unique finish also gives the impression of a rubber hose and removes the appearance of a cheap, shiny thermoplastic product. The polyurethane cover and overall lighter weight also provide better abrasion resistance when compared to a wire-braided rubber hose.
- ### UNLIMITED SHELF LIFE
  Since rubber never stops curing, and UV exposure only accelerates the curing process, the shelf life of a rubber hose is 10 years. Whereas, thermoplastic hose is made with urethane, which is UV, ozone, abrasion resistant, and provides unlimited shelf life.
- ### HIGH IMPULSE LIFE
  Our thermoplastic hose has been impulse tested per SAE protocol to meet 1 million impulses or over.
- ### NO PINHOLES
  ProPulse thermoplastic hose is made with 100% virgin material, no regrind, and is produced without a mandrel; while many rubber hose manufacturers reuse materials and are made on mandrels. These two manufacturing practices can contribute greatly to contamination which is the primary cause of “pinholes” in hydraulic hoses.
- ### UV, OZONE, & CHEMICAL RESISTANCE
  Thermoplastic hose utilizes a polyurethane cover, which offers excellent resistance to chemicals, as well as UV and ozone resistance compared to rubber. This is a huge advantage over rubber since hydraulic hose is often exposed to sunlight. Rubber hose can crack over time, exposing the wire braid and eventually leading to premature failure. With a thermoplastic hose, there is no cracking due to the resilience of the cover.
- ### MADE IN THE USA
  Our thermoplastic hose is manufactured at our facility in Peosta, Iowa. Since we manufacture in the United States, lead times are greatly reduced and we can quickly react to increases in customer demands. Rubber hose, especially in today’s supply chain, have lengthy lead times and large demands, pushing some delivery times up to a year. Our thermoplastic hydraulic hose provides a better alternative, in a more timely fashion, and many times in 7-10 days.
- ### 20% LIGHTER THAN RUBBER HYDRAULIC HOSE
  Depending on the length, thermoplastic can offer up to a 20% decrease (or more) in weight advantage.

PROPULSE®

POWER MOVING FORWARD

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