



DURA-CORD® Nylon 6-6 versus Nylon 6

All fire hose with “Nylon” jackets are not created equal!

Nylon 6, referred to as “Nylon” and used by some hose manufacturers, has a lower melting point than polyester.

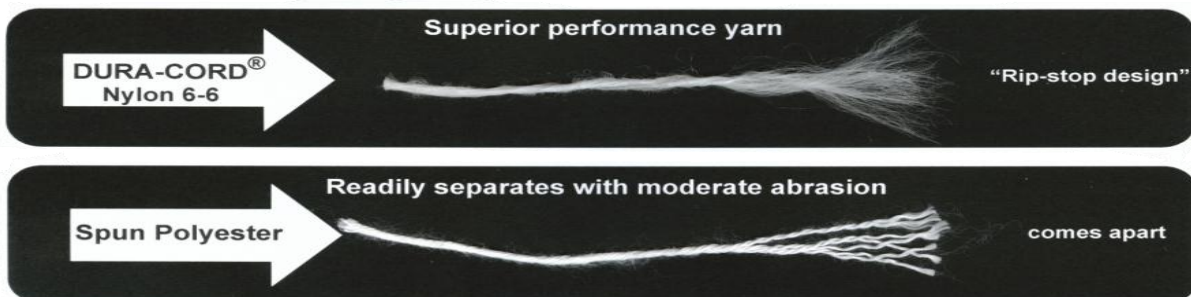
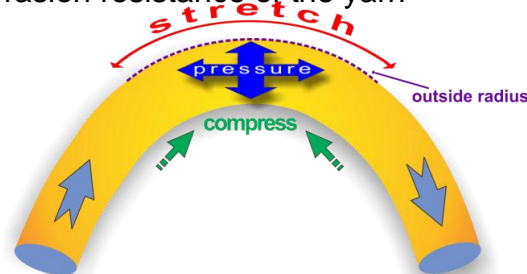
Nylon 6-6, used exclusively in our **DURA-CORD® constructed jackets**, is superior to Nylon 6 due to its higher melting point.

This means you are able to take advantage of all the benefits of Nylon 6-6 and still maintain a high melting point.

Yarn Type	Strength	Melting Point	Stretch	Resistance to Abrasion	Resistance to Kinking	Resistance to Cutting
DURA-CORD® Nylon 6-6 air-entangled, continuous multi-filament	Excellent	High 490°- 500° F	Excellent	Excellent	Excellent	Excellent
Nylon 6 continuous multi-filament	Good	Low 420°- 430° F	Good	Good	Good	Good
Poly-Cord™ Spun Polyester	Very Good	High 483°- 505° F	Fair	Good	Good	Good

DURA-CORD® advantages:

- warp yarn consisting of high pressure air-entangled, continuous multi-filament Nylon 6-6 fiber
- Nylon 6-6, having a tighter molecular structure than Nylon 6, is the most abrasion and heat resistant of all nylons and used exclusively in all of our Premium Products
 - Nylon is inherently more resistant to abrasion than polyester
 - that is why carpets are made from nylon; it withstands abrasion & wear better
- Advanced air texturing further enhances the abrasion resistance of the yarn
- Nylon 6-6 stretches more than polyester
 - provides better kink resistance
 - stretches on outside radius of hose
 - more elastic, more responsive
- Dynamic Load Bearing capabilities
 - works as a shock absorber
 - when dynamic load spikes occur, **DURA-CORD®** absorbs energy and then releases energy after the spike is relieved, rather than rupturing under dynamic loading
 - rock climbers use nylon ropes because of this shock absorbing effect
- Nylon 6-6 will not separate when cut or damaged



Be sure to specify **DURA-CORD® Nylon 6-6** in your nylon jacket fire hose specification bids.