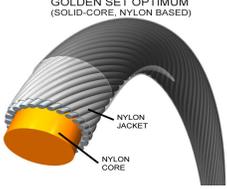
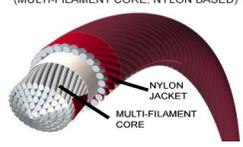


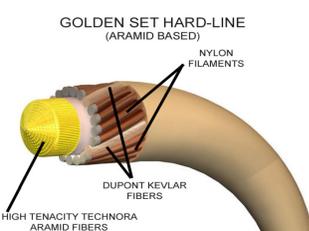
TENNIS STRING TECHNOLOGY AND MATERIAL OVERVIEW

visit the Golden Set website at: www.goldensettennis.com

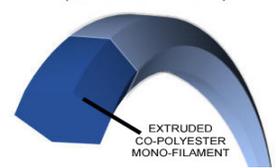
NYLON

EXAMPLES	MATERIAL PROPERTIES	CONSTRUCTION	COMMENTS
<p>- Golden Set Classic, Synthetic Gut, Optimum, Torque, Maximal and Velvet</p>	<p>- Can be fairly soft or hard depending on chemical composition.</p>	<p>- Generally, the cores of solid-core strings are made from a soft nylon compound to provide elasticity. (nylon solid-core examples: Classic, Synthetic Gut, Optimum, Torque)</p> <p>- A harder nylon compound is often used as the jacket material.</p> <p>- Abrasion and notch resistance improve as hardness increases.</p> <p>- Nylon based, multi-filament core strings such as Golden Set Maximal or Velvet have cores consisting of many nylon filaments.</p> <p>- Golden Set Torque is an example of a nylon based solid-core textured string</p> <p>- Its 'texture' arises from the presence of over-sized nylon filaments within its jacket</p>	<p>- Nylon based solid-core strings offer excellent value by providing good performance and durability characteristics at a reasonable price.</p> <p>- Easy to string with thanks to moderate flexural stiffness and smooth low-friction surface</p> <p>- Nylon based multi-filament core strings can provide levels of comfort, softness and power that approach those of natural gut string.</p>
<p>GOLDEN SET OPTIMUM (SOLID-CORE, NYLON BASED)</p>  <p>Labels: NYLON CORE, NYLON JACKET</p>			<p>GOLDEN SET VELVET (MULTI-FILAMENT CORE, NYLON BASED)</p>  <p>Labels: MULTI-FILAMENT CORE, NYLON JACKET</p>

ARAMID

EXAMPLES	MATERIAL PROPERTIES	CONSTRUCTION	COMMENTS
<p>- Golden Set Hard-Line and Dura-Match (mains)</p>	<p>- Aramid fibres are stiff, extremely durable (fantastic abrasion resistance) and extremely strong (can withstand high tension)</p> <p>- Typically, aramid based strings are 3 to 5 times stiffer than nylon based strings</p> <p>- DuPont Kevlar fibre is classified as aramid along with Technora fibre</p>	<p>- Invariably, aramid based strings are multi-filament and generally contain some nylon based components</p> <p>- Kevlar is often used within jacket because of its tremendous abrasion resistance</p>	<p>- Due to the relative stiffness of aramid fibres, the racquet string-bed deflects less and remains flatter during impact than other strings</p> <p>- Low deflection results in very good control but less power</p> <p>- Aramid based strings are most suitable for hard-hitting players that do not require extra power from their string but want maximum control</p> <p>- Aramids are generally considered to be the most durable string type</p> <p>- Due to the high stiffness of aramid strings, they are usually only used in the mains (strings running parallel to handle axis)</p> <p>- A solid-core nylon based string is often used in the crosses (strings running perpendicular to handle axis) to soften the feel</p> <p>- A combination of different string types like this is commonly referred to as a "hybrid" or "blend"</p> <p>- Typically the more durable string will be installed in the mains (because main strings usually endure more abrasion and stress than cross strings)</p> <p>- When trying an aramid based string for the first time, it is generally recommended that a player use a tension that is 10% lower than what they would normally use with a nylon or natural gut based string (this will compensate for the higher stiffness of aramid)</p>
		<p>GOLDEN SET HARD-LINE (ARAMID BASED)</p>  <p>Labels: NYLON FILAMENTS, DUPONT KEVLAR FIBERS, HIGH TENACITY TECHNORA ARAMID FIBERS</p>	

POLYESTER

EXAMPLES	MATERIAL PROPERTIES	CONSTRUCTION	COMMENTS
<p>- Golden Set Hex Poly and Poly</p>	<p>- Polyester based strings have improved a great deal over the last 10 years thanks to the development of co-polyesters (polyester blends) having more favourable mechanical properties.</p> <p>- These new co-polyesters maintain tension better and offer a feel that is less harsh</p>	<p>- Typically extruded mono-filaments</p> <p>- Recent trend towards non-circular cross-sections (i.e. Hex Poly) to increase spin potential (texture increases friction between ball and strings)</p>	<p>- Polyester based strings are the fastest growing segment of the tennis string market</p> <p>- Have become extremely popular at the professional level</p> <p>- The relatively low power of polyester (in comparison with nylon based or natural gut strings) allows for the generation of more spin</p> <p>- Generally, stiffness is in between that of nylon and aramid based strings</p> <p>- For a softer feel, Polyester strings are sometimes used only in the mains</p> <p>- A solid-core nylon based string is often used in the crosses (strings running perpendicular to handle axis) to soften the feel</p> <p>- A combination of different string types like this is commonly referred to as a "hybrid" or "blend"</p> <p>- Typically the more durable string will be installed in the mains (because main strings usually endure more abrasion and stress than cross strings)</p> <p>- Sometimes a polyester string is used in crosses with a softer string in the mains (even softer feel at the cost of durability)</p> <p>- Main strings tend to have a greater influence on string-bed behaviour (playability) than cross strings</p> <p>- When trying polyester for the first time, it is generally recommended that a player use a tension that is 5-10% lower than what they would normally use with a nylon or natural gut based string (this will compensate for the higher stiffness of polyester)</p>
		<p>GOLDEN SET HEX POLY (CO-POLYESTER BASED)</p>  <p>Labels: EXTRUDED CO-POLYESTER MONO-FILAMENT</p>	

visit the Golden Set website at: www.goldensettennis.com