



Technical data sheet Para-Aramide Yarn for the GLASS INDUSTRY

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SIGIT uses 100% Para-Aramide fibres, yellow colour, produced by Kevlar (DuPont) or Twaron (Teijin) Continuous Filaments. These yarns can be in five different typologies, that is (our names):

- “**BC**” : is the Continuous Filament yarn (there are thinner filaments with theoretical infinite length, parallel, assembled all together to have the required count). Normally SIGIT uses only twisted yarns, to give top quality. The “BC” type is the best yarn; its appearance is “shiny” and it is without piles.
- “**SC**” : is the yarn produced with very long staples, 60/140 mm. length, by cut or snatch from original virgin continuous filament yarn. The “SC” yarn is softer and its appearance is less shiny than “BC” type; it is lightly hairy.
- “**C**” : is the carded yarn, produced from a medium/short fibres (length mm. 20-40); it is the type with a cheapest price; it is hairy.
- “**KV**” : is the yarn produced with the “DREF System”; there is a core (normally a thin glass yarn) completely covered with Para-Aramide staple.
- “**KX**” : is the carded yarn produced from a blend of Inox Steel staples (60%) and Para-Aramide staples (40%); it is a very strong yarn, with the best mechanical and thermal performance; the price is very expensive. The colour is green.
- “**CK**” : is similar to “SC” type but made with a blend of Para-Aramide staple (70%) and Carbon (Preox fibre) staple (30%); its colour is Black/Green.. The “CK” type has better thermal but worse mechanical performances than SC type.