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|--------------------------------------|--------|---------------------------------|
| Brand name | | Tenax® |
| Production site | | J |
| Product designation | | HTS40 A23 12K 1420tex MC |
| Sizing properties | | A23 |
| Number of filaments | | 12K |
| Nominal linear density ¹⁾ | [tex] | 1420 |
| Twist | [t/m] | 0 |
| Running length per kg | [m/kg] | 700 |
| Package weight, net | [kg] | 0,5 / 1 |

Characteristics (typical values)

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|--|----------------------|------------------------|
| Filament diameter | [µm] | 7,5 |
| Tensile strength | [MPa] | 2750 |
| Tensile modulus | [GPa] | 215 |
| Elongation at break | [%] | 1,2 |
| Density (without nickel layer) ¹⁾ | [g/cm ³] | 1,77 |
| (with nickel layer) ¹⁾ | [g/cm ³] | 2,7 |
| (with nickel layer) | [g/cm ³] | 2,6 |
| Specific electrical resistance | [Ω cm] | 7,5 x 10 ⁻⁵ |
| Nickel layer | [µm] | 0,25 |

1) without sizing

Sizing properties for fiber family HTS, nickel coated

HTS is a classic Tenax® high performance carbon fiber yarn type. The metal coating increases the electrical conductivity.

A23 = Type with ca. 1,3 % sizing based on polyurethane.

Please contact our sales team any time for choosing the right type. The stated numbers are typical values. For design purposes please request fiber specification.

Please note the application (aerospace or industry & sports) on your order.

The export or transfer of carbon fibers can be subject to authorization, depending on end-use and final destination.