

High Silica Fiber

High Silica Fiber / SC-013CFB02C253

PRODUCT OVERVIEW

High silica fiber is a high-performance glass fiber made from quartz sand (SiO2) as the main raw material through special processes such as melt spinning, acid leaching for alkali removal, and high-temperature sintering. Its core feature is an extremely high silicon content (usually 96%). It combines excellent high-temperature resistance (long-term temperature resistance of 1000-1200 C, up to 1700 C for short periods) and superior thermal insulation properties. It is widely used in extreme high-temperature scenarios such as aerospace, industrial high-temperature protection, and fire prevention and extinguishing. It is a high-end high-temperature resistant material that cannot be replaced by traditional glass fibers (with a silicon content of approximately 50%-60%).

CONFIGURATION DATA

MATERIAL FAMILY	High-silica fibre
SUPPLY FORM	Industrial component
DIMENSIONS / TOLERANCES	Configured to project requirements in SI / metric units
TECHNICAL DOCUMENTATION	Lot- and configuration-specific documentation available with quotation
AVAILABILITY	Made to order / project supply

DOCUMENTATION & COMPLIANCE

ISO, REACH, RoHS and material certificates are confirmed per selected grade, manufacturer, lot and intended application.