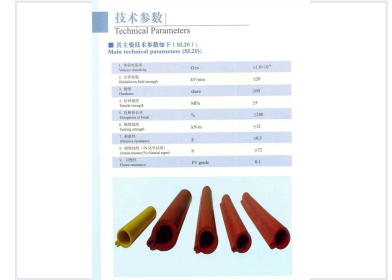


Fluoro Silicone Rubber for Insulation

Fluoro silicone rubber is a high-performance organic compound. It is an essential material in high-tech industry development.



Product Overview

High-Performance Insulation Solution

Fluoro silicone rubber is a high-performance organic compound engineered for critical applications in high-tech industries, including aviation and aerospace. It offers exceptional electrical, physical, and chemical properties, ensuring long-term electromechanical performance in harsh natural environments with an expected service life exceeding 20 years. This material is specifically designed for use as an outer insulation protector to prevent short circuits caused by bird damage, foreign object interference, and environmental hazards.

Technical Specifications

Volume Resistivity

1 $\Omega\cdot\text{m}$

Volume Resistivity

Material Performance Data (SL20)

Property	Value
Hardness	60 Shore
Tensile Strength	>5 MPa
Elongation at Break	280%
Tearing Strength	12 kN·m
Abrasive Resistance	0.5g
Corrosion Resistance (5% reagent)	72h
Flame Resistance	0-1 (FV grade)

Breakdown Field Strength

20 kV/mm

Application Details

Environmental Resistance

- Electric field tolerance
- UV resistant
- Ozone (O3) resistant
- Bird damage protection
- Foreign substance interference protection

Applications

Aviation Equipment, Aerospace Equipment, Transmission Lines, Distribution Lines, Outer Insulation Protection

Voltage Compatibility

Below 33kV (SL 30)