

Ethernet, fiber optics cables

Syensqo polymers can be used as insulating material for **Ethernet** and **Fiber Optic cables** in plenum space. The insulation is needed both for **jackets** and **conduit**.

Here are the key properties for cable coating applications (more precise data are customer-based):

- Temperature resistance (continuous service $T > 150\text{ }^{\circ}\text{C}$)
- High elongation at break ($> 100\%$)
- Mechanical resistance (tensile strength $> 20\%$)
- Extrudable
- Inflammable (UL94 V0, LOI requirements)
- Colorable
- Chemical resistance (fuel, motor oil, lubricant, organic solvents at high T)

