

# Metallic Glass Iron/Boron/Silicon Spooled Wire (Fe77.5/B 15/Si 7.5 (Atomic %))

**Grade:** Metallic Glass

**Formula:** Fe77.5/B 15/Si 7.5 (Atomic %)

**Product Shape:** Spooled

**Diameter:** 0.05mm

**Length:** 5m

**UOM Code:** 113-424-83

**SKU:** 1000025918-group

**Product Code:** FE84-WR-000150

## Material Properties for Glasses

### Mechanical Properties

Element	Value
Elongation at break( % )	2.3
Tensile modulus( GPa )	155
Hardness - Vickers( kgf mm <sup>2</sup> )	940

### Electrical Properties

Element	Value
Electrical resistivity( $\mu\text{Ohmcm}$ )	124

### Thermal Properties

Element	Value
Crystallisation temperature( C )	553
Coefficient of thermal expansion( $\times 10^{-6} \text{ K}^{-1}$ )	8.7@20°C

### Magnetic Properties

Element	Value
Curie temperature( C )	422