



# BIRMINGHAM SPECIALITIES

## PVC SLEEVING

Birmingham Specialities PVC Sleevings (Polyvinyl Chloride) is our general stock sleevings for use in various general applications.

PVC offers an excellent abrasion resistance and has generally good performance against mineral oils and other standard applied chemicals.

Although not generally high performance in regards to weather resistance, PVC can be UV stabilised to perform in such conditions.



### MECHANICAL PROPERTIES

Operating Temperature	-30°C to +80°C
UV Weather Resistance	Poor unless UV stabilised
O-Zone Resistance	Poor unless UV stabilised
Abrasion Resistance	Excellent
Resistance to Creep	Moderate
Water Absorbtion	0.50%

### TYPICAL PROPERTIES

Hardness	70 Shore
Tensile Strength	10Mpa Min
Elongation at Break	250%
Density	1420 Kg/m <sup>3</sup>
BS Softness	50 BSS°
Cold Flex Temperature	-35°C

### ENVIRONMENTAL PROPERTIES

Rate of Flame Spread	Low
Toxicity	High

### CHEMICAL PROPERTIES

Mineral Oils	Good
Isopropyl Alcohol IPA	Excellent
Sulphuric Acid - Dilute	Excellent
Sulphuric Acid - Concentrated	Poor
Ammonia - 10%	Excellent
Ammonia Liquid	Excellent
Varnish	Poor

Material Specification to BS 2782