Datasheet
Stock No: 680-549

RS Pro White Polyethylene (PE) Rod, 1000mm x 30mm Diameter

Product Details

Polyethylene (PE-UHMW)

Ultra-high molecular weight polyethylene (PE-UHMW)
Good resistance to cold and stress cracking
Shock, abrasion and chemical resistant
Good electrical insulator for components, valves, pumps, fans, chemical tanks
To IEC112/(0303 ti)
White in colour

Max. Service Temp. (Long Term)	100 °C
Elongation	> 350 %
Tensile Strength	40 MPa
Hardness DIN 53 456 (Ball indentation)	62 (Shore D)
Flammability Rating	UL 94 HB
Water Absorption	0.02 % at saturation

Note

Polyethylene has poor resistance to hot water, and exposure to UV light will result in gradual decomposition

Polyethylene - HDPE & PE-UHMW

Polyethylene is self-lubricating, has good chemical, abrasion and impact resistance and is easy to machine. It is unaffected by most acids, alkalis and chlorinated hydrocarbons.

Specifications

Colour	White
Length	1000mm
Material	HDPE
Form	Rod
Rod Diameter	30mm
Density	0.95 to 0.96g/cm³
Tensile Strength	25 MPa
Flammability Rating	UL 94 HB
Elongation	350%
Hardness	50 Ball Indentation
Water Absorption	0.02%
Maximum Operating Temperature	+90°C