

Datasheet

Stock No: 680-533

RS Pro White Polyethylene (PE) Rod, 1000mm x 20mm 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.



ENGLISH

Specifications

| | |
|-------------------------------|-------------------------------|
| Colour | White |
| Length | 1000mm |
| Material | HDPE |
| Form | Rod |
| Rod Diameter | 20mm |
| Density | 0.95 to 0.96g/cm ³ |
| Tensile Strength | 25 MPa |
| Flammability Rating | UL 94 HB |
| Elongation | 350% |
| Maximum Operating Temperature | +90°C |
| Hardness | 50 Ball Indentation |
| Water Absorption | 0.02% |