

Datasheet

Stock No: 680-599

RS Pro White Polyethylene (PE) Sheet, 1000mm x 500mm x 10mm



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 tj)

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
Width	500mm
Thickness	10mm
Material	HDPE
Density	0.95 to 0.96g/cm ³
Tensile Strength	25 MPa
Hardness	50 Ball Indentation
Flammability Rating	UL 94 HB
Water Absorption	0.02%
Maximum Operating Temperature	+90°C
Elongation	350%