

Datasheet

Stock No: 680-583

# RS Pro White Polyethylene (PE) Sheet, 960mm x 470mm x 4mm



## 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	960mm
Width	470mm
Thickness	8mm
Material	HDPE
Density	0.95 → 0.96g/cm <sup>3</sup>
Tensile Strength	25 MPa
Hardness	50 Ball Indentation
Flammability Rating	UL 94 HB
Water Absorption	0.02%
Maximum Operating Temperature	+90°C
Elongation	350%