Datasheet
Stock No: 282-0424

RS Pro Opaque Polyester (PET) Sheet, 500mm x 300mm x 20mm

Product Details

Polyester (PET) - Opaque

Easily welded/bonded

Very good electrical insulation

Easily machined/polished

Not resistant long term to hot water (60°C)

High storage stiff thermoplastic

Excellent sliding properties/wear and abrasion resistant

Acid, solvent and chemical resistant

For all bearing, bush, gear, insulator applications

Opaque

Elongation at Break	70%
Expansion Coefficient at 23°C	7-8 x 10E5 1/K
Flammability Rating	UL 94 HB
Hardness	R96 (Shore D)
Melting Point °C	255
Max. Service Temperature (Short Term) °C	180
Max. Service Temperature (Long Term) °C	110
Modulus of Elasticity (MPa)	280000.00%
Tensile Strength (MPa)	81
Thermal Conductivity at 23°C (W/mK)	0.24
Water Absorption (%)	0.5

General Purpose Rods & Sheets - Polypropylene/Polyester

Specifications

Colour	Opaque
Length	500mm
Width	300mm
Thickness	20mm
Material	PET
Tensile Strength	88 MPa
Hardness	95 Ball Indentation MPa
Flammability Rating	UL 94 HB
Water Absorption	0.5%
Thermal Conductivity	0.24W/mK
Maximum Operating Temperature	+170°C
Melting Point	+255°C