

Datasheet

Stock No: 282-0761

RS Pro Black Nylon Sheet, 500mm x 300mm x 20mm



Product Details

Nylon 6

Black extruded Nylon 6 containing MoS₂

Good sliding and dry running properties

Resistant to oils, grease, petrol etc.

Easily welded, bonded, machined and polished

UV and weather resistant

Suitable for friction bearings/strips, gears, castors, pulleys, chains, wheels and machine parts etc

Black in colour

Tolerance thickness sheets: +0.2 mm → +0.9 mm

Max. Service Temp. (Long Term)	+100°C
Elongation	40%
Tensile Strength	60-85 MPa
Hardness (Rockwell-Shore D)	M88 (Rockwell)
Flammability Rating	UL 94 HB
Water Absorption	8-9% at saturation

Note

This material is not electrically insulating

Natural & Cast Nylon

These materials have good chemical, abrasion and UV resistance, are easy to machine and possess good self-lubricating qualities. They are resistant to hot water and can be welded.



Specifications

Colour	Black
Length	500mm
Width	300mm
Thickness	20mm
Material	Nylon
Density	1.14g/cm ³
Tensile Strength	75 MPa
Flammability Rating	UL 94 HB
Water Absorption	8 → 9%
Maximum Operating Temperature	+160°C
Elongation	25%