

Datasheet

RS Pro Natural Nylon Rod, 500mm x 100mm Diameter

RS Stock No: **184-7153**



Product Details

RS Pro cast nylon 6 rod in natural colour, measures 500 mm long with a diameter of 100 mm. This rod possesses high tensile and impact strength for added durability. It offers high resistance to abrasion, chemical, acid and alkaline. The rod is free of internal stresses, hence is suitable for all bearing, bush and gear applications.

Features and Benefits

- Natural colour cast nylon 6
- Free of internal stresses
- High tensile and impact strength
- Chemical, acid and alkali resistant
- High abrasion resistance
- Low finished component count
- Suitable for all bearing, bush and gear applications

Specifications:

Colour	Natural
Flammability Rating	UL 94 HB
Form	Rod
Hardness	M 90 Rockwell
Material	Nylon
Suitability	Diverse Machine Parts, Slide Bearing, Gear, Castors, Pulleys, Wiper Blades, Slide Rails & Friction Strips
Density	1.15 g/cm ³
Elongation	50%
Length	500 mm
Maximum Operating Temperature	+180°C
Melting Point	+220°C
Rod Diameter	100 mm
Thermal Conductivity	0.24 W/mK
Water Absorption	6 to 7%
Tensile Strength	60 MPa (Wet), 85 MPa (Dry)
Moisture Absorption	2.5%
Specific Heat	1.7 J/gK
Thermal Expansion	5 to 6 x 10 ⁻⁵ 1/K