

# Oil-Filled Nylon

## Product Datasheet



Engineering Plastic

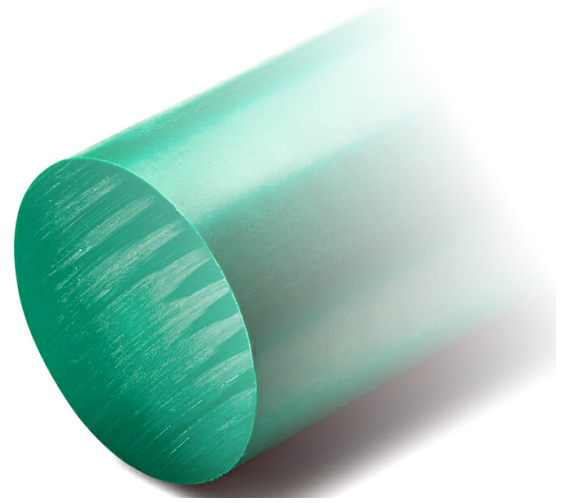
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## Self Lubricating Plastic

Oil-filled nylon is homogeneously permeated with an oil-based lubricant.

Sometimes referred to as Oilon, Oil-filled nylon is an engineering plastic which offers increased load-bearing performance when compared to unfilled nylon products. For example, oil-filled nylon provides 25% lower friction when compared to standard cast nylon 6. Being 1/7th the weight of bronze, the wear life of the plastic is up to 20 times greater than bronze.

The plastic is an ideal product for applications where abrasion resistance is a consideration. Reduced moisture is another feature of the product. We have the capability to supply oil-filled nylon in rod and plate.



### Key Features

- Self lubricating
- Superior load bearing performance
- 25% lower friction rate than cast nylon 6
- Wear life up to 20 times greater than bronze

### Applications

- Bushes and bearings
- Slider tracks
- Sheaves and pulleys
- Wear pads

### Typical Properties

	Units	ASTM	PETG
Tensile Strength	psi	D638	10000
Tensile Modulus	psi	D638	425000
Tensile Elongation @Break	%	D638	50
Flexural Strength	psi	D790	15000
Flexural Modulus	psi	D790	425000
Compressive Strength	psi	D695	13000
Compressive Modulus	psi	D695	325000
Hardness, Rockwell R		D785	110
IZOD Impact Strength Notched	ft-lb/in	D256	1.6

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### Quality & Testing:



1930

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