

Plavis™ POLYIMIDE

Product Information



Plavis™ POLYIMIDE – Super Engineering Plastic

We use this ultra-high-performance plastic based on polyimide to manufacture semi-finished and finished parts. PLAVIS™ is characterised by a complex property profile with many outstanding individual qualities – which places it and is thus at the top of our range of plastic materials. It fulfils the most demanding tasks in all areas of industrial electronics, aerospace engineering, transport and the machinery and heavy machinery industries, semiconductor, solar system and flat-screen manufacturing. PLAVIS™ is comparable with Vespel® and can be used wherever something must be sealed safely, to minimise wear and friction, to resist high temperatures and harsh operating conditions as well as to save weight.

Areas of application for Plavis™ POLYIMIDE:

- Industrial electronics
- Aerospace engineering
- Transport
- Machinery and heavy machinery industries
- Semiconductor, solar system and flat-screen manufacturing

Characteristics:

- Heat resistant
- Robust
- Resistant to wear
- Stable friction level
- Perfect insulation
- Good processability

Plavis™ POLYIMIDE – variants

PLAVIS-N

Properties:

- Good physical properties
- Maximum electrical and thermal insulation
- Resistance to wear
- Mechanical strength

Modification: unfilled

PLAVIS-S

Properties:

- Good physical properties at high temperatures up to 350 °C

Modification: unfilled

PLAVIS-G15

Properties:

- Self-lubricating
- Good sliding and friction properties
- Ideal wear resistance
- Very good mechanical strength

Modification: 15% graphite



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PLAVIS-G40

Properties:

- Self-lubricating
- Good sliding and friction properties
- Perfect wear resistance
- Good mechanical strength

Modification: 40% graphite

PLAVIS-MS

Properties:

- Self-lubricating
- Good sliding and friction properties
- Good wear resistance
- Good mechanical strength
- Ideal for thermal deformation

Modification: 15% MoS₂

PLAVIS-C

Properties:

- Good conductive properties
- Good sliding and friction properties
- Ideal wear resistance
- Very good mechanical strength
- Resistance 10²-10³

Modification: unfilled

PLAVIS-ESD

Properties:

- Electrostatically absorbing
- Self-lubricating
- Good sliding and friction properties
- Ideal wear resistance
- Very good mechanical strength
- Resistance 10²-10³

Modification: unfilled

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Product Information

Round Bars

ROUND BARS PLAVIS POLYIMIDE	Ø " (mm)	Length " (mm)
	1/4" (6.35)	19.6" (500)
	3/8" (9.53)	19.6" (500)
	7/16" (11.11)	19.6" (500)
	1/2" (12.70)	19.6" (500)
	5/8" (15.88)	19.6" (500)
	3/4" (19.05)	19.6" (500)
	1" (25.40)	19.6" (500)
	1-1/4" (31.75)	19.6" (500)
	1-1/2" (38.10)	19.6" (500)
	2" (50.80)	19.6" (500)

Sheets

SHEETS PLAVIS POLYIMIDE	Ø " (mm)	Thickness mm
	12"·12" (304.8·304.8)	12.7-62



COMCOEPP

Engineering Plastic Products

We produce plastic stock shapes
and engineer tailor made solutions.



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