

Plavis® G15

Thermoplastic Polyimide

Comco Nylon GmbH

Message:

PLAVIS is a super engineering plastic. PLAVIS polyimide has a unique chemical structure with some of the highest properties available. Nitrogen bonded to 3 carbons is the critical part of the chain and imparts the plastic with remarkable features and benefits.

DAELIM makes PLAVIS isostatic molded rods have uniform properties in all directions.

General Information			
Filler / Reinforcement	Graphite fiber reinforced material, 15% filler by weight		
Features	The degassing effect is low to no		
	Heat resistance, high		
	Self-lubricating		
	Flame retardancy		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D1708
Fracture, 23°C	66.7	MPa	ASTM D1708
Fracture, 260°C	34.3	MPa	ASTM D1708
Tensile Elongation ²			ASTM D1708
Fracture, 23°C	5.0	%	ASTM D1708
Fracture, 260°C	3.0	%	ASTM D1708
Coefficient of Friction ³	0.23		
Wear Rate	33	mm/sec	
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow ⁴ (23 to 260°C)	4.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ⁵ (23°C)	1.0E+12 - 1.0E+13	ohms · cm	ASTM D257
NOTE			
1.	Compression Molded		
2.	Compression Molded		
3.	Compression Molded		
4.	Compression Molded		
5.	Compression Molded		

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Recommended distributors for this material

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