

Product Description

30% Glass Fiber, 2% Molybdenum Disulfide, Polyamide 66

General Considerations

Resin ID (ISO 1043)	· >PA66-GF30<	
Filler / Reinforcement	· 30% Glass Fiber	· 2% Molybdenum Disulfide
Processing	· Injection Molding	
Color	· Natural	

Physical	Value	Unit	Method
% Ash Content	28 to 32	%	ASTM D 2584
Density	1,36 to 1,38	g/cm ³	ASTM D 792
Mold Shrinkage	0,3 to 0,7	%	ASTM D 955
Humidity Absorption	1,3	%	ASTM D 570

Mechanical	Value	Unit	Method
Tensile Strength	175	MPa	ASTM D 648
Elongation at Break	3	%	ASTM D 648
Flexural Strength	260	MPa	ASTM D 790
Flexural Modulus	10300	MPa	ASTM D 790
Notched Izod Impact 23°C	80	J/m	ASTM D 256

Thermal	Value	Unit	Method
Melting Point	250 to 265	°C	ASTM D 2117
Deflection Temperature 1,80 MPa	238	°C	ASTM D 648
Flammability	HB	--	UL 94

Electrical	Value	Unit	Method
Volume Resistivity	10 ¹⁴	Ω.cm	ASTM D 257

Process	Value	Unit	Method
Molding Process Temperature	260 to 280	°C	--
Mold Temperature	70 to 100	°C	--
Stuffing Static (Tray)	90/3	°C/Hours	--
Maximum Moisture Content for Process	0,02	%	--

Data contained in this Data Sheet have been obtained in laboratory and reflect the average number of batches produced. This information is current as of the date on which it was authorized to print this. The Petropol reserves the right to alter designs, specifications and information on its products at any time or discontinue them, regardless of any notice or statement without incurring liability of any kind.