

**Product Description**

40% Glass Reinforced, Polyamide 6

**General Considerations**

Resin ID (ISO 1043)	· PA6-GF40
Filler / Reinforcement	· Glass Fiber, 40% Filler by Weight
Processing	· Injection Molding
Color	· Natural

- The information below is for information purposes only and should not be adopted as specification limits.

Physical	Value	Unit	Method
Density	1,45 to 1,46	g/cm <sup>3</sup>	ASTM D 792
Mold Shrinkage	0,1 to 0,5	%	ASTM D 955
% Ash content	40 ± 2	%	ASTM D 2584
Water absorption	6	%	ASTM D 570
Humidity absorption	1,7	%	ASTM D 570

Mechanical	Value	Unit	Method
Tensile Stress	233	MPa	ASTM D 638
Elongation at break	3	%	ASTM D 638
Flexural Modulus	11650	MPa	ASTM D 790
Izod Notched Impact		kJ/m <sup>2</sup>	ASTM D 256
23°C	14		
UnNotched Izod Impact		kJ/m <sup>2</sup>	ASTM D 256
23°C	77		

Thermal	Value	Unit	Method
Melting Point	210 to 225	°C	ISO 3146/A
Deflection Temperature		°C	ASTM D 648
0,45 MPa	210		
1,80 Mpa	167		
Vicat Softening Temperature	210	°C	ASTM D 1525
Flamability	HB	--	UL 94

Electrical	Value	Unit	Method
Volume Resistivity	10 <sup>12</sup>	Ω.m	ASTM D257
Dielectric strenght	38	kV/mm	IEC 60243-1

Process		Unit	Method
Molding Process Temperature	260 to 280	°C	--
Mold Temperature	80 to 100	°C	--
Drying	90/4	°C/Hours	--

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.