

Product Description

30% Glass Fiber, Hydrolysis Resistant, Heat Stabilized, Protection UV, Polyamide 66

General Considerations

Resin ID (ISO 1043)	· PA 6.6 GF30	
Additive	· Heat Stabilized	
Processing	· Injection Molding	· Extrusion
Color	· Black	

Physical	Dry	50%RH	Unit	Method
Density / Specific Gravity	1,37	-	g/cm ³	ASTM D 792
Ash content	30 ± 2		%	ASTM D 2584
Mold Shrinkage	0,3		%	ASTM D 955
Water Absorption	1,5		%	ASTM D 570

Mechanical	Dry	50%RH	Unit	Method
Tensile Strength	180	120	MPa	ASTM D 638
Elongation at Break	3,8	6	%	ASTM D 638
Flexural Strength	200	175	MPa	ASTM D 790
Flexural Modulus	11500	6000	MPa	ASTM D 790
Notched Izod Impact			J/m	ASTM D 256
23°C	125	160		
-30°C	120	120		
Unnotched Izod Impact			J/m	ASTM D 256
-30°C	-	90		
Notched Charpy Impact			J/m	ASTM D 256
23°C	140	180		
Unnotched Charpy Impact			J/m	ASTM D 256
23°C	750	900		
-30°C	-	750		
Hardness, Rockwell			--	ASTM D 785
Scale R	105		R-scale	
Ball Pressure Hardness	215	140	MPa	ASTM D 785

Thermal	Value	Unit	Method
Melting Point	250 to 265	°C	ASTM D 2117
Heat Deflection Temperature		°C	ASTM D 648
1,82 MPa	250		
0,45 MPa	260		
Flammability	HB		UL94

Electrical	Value	Unit	Method
Volume Resistivity	1,0E+11	ohm	IEC 93
Surface Resistivity	1,0E+13	ohm	IEC 93

Process		Unit	Method
Molding Process Temperature	270 to 290	°C	--
Mold Temperature	60 to 90	°C	--
Drying	90 / 4	°C/Hours	--

Os dados contidos neste Informativo Técnico foram obtidos em Laboratório e refletem a média de vários lotes produzidos. Estas informações encontram-se atualizadas até a data em que foi autorizada a impressão deste. A Petropol reserva-se o direito de alterar desenhos, especificações e informações de seus produtos a qualquer tempo ou descontinuí-los, independente de qualquer aviso ou comunicado sem incorrer em responsabilidade de qualquer espécie.

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.