

Nypol® PA A3 G25 PRTA010 NR438

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 in color black reinforced with 25% of fiberglass, good set of thermal and mechanical properties. Ideal for injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,25% Filler by Weight			
Appearance	Black			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6.6 GF25<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.27	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 0.90	--	%	ASTM D955
Water Absorption (Equilibrium)	1.3	--	%	ASTM D570
Ash Content	23 to 27	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	130	103	MPa	ASTM D638
Tensile Elongation (Break)	3.5	4.0	%	ASTM D638
Flexural Modulus	5300	3000	MPa	ASTM D790
Flexural Strength	190	140	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	60	70	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	--	°C	ASTM D648
Melting Temperature	250 to 265	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+14	1.0E+13	ohms·cm	ASTM D257
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	4.0		hr	
Suggested Max Moisture	0.20		%	
Processing (Melt) Temp	260 to 290		°C	
Mold Temperature	60.0 to 80.0		°C	

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Recommended distributors for this material

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