

# Nypol® PA A3 G25 HS UV RH HF PRTA011

## NR435 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

### Message:

Polyamide 6.6 in black color reinforced with 25% of fiberglass, fast flow, heat stabilized, hydrolysis resistant and UV. Good set of thermal properties, electrical and mechanical. Ideal pair injection molding.

General Information				
Filler / Reinforcement	Glass Fiber,25% Filler by Weight			
Additive	Heat Stabilizer			
	Hydrolysis Resistant			
	UV Stabilizer			
Features	Good Electrical Properties			
	Good UV Resistance			
	Heat Stabilized			
	High Flow			
	Hydrolysis Resistant			
Appearance	Black			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 6.6 GF25<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.31 to 1.33	--	g/cm <sup>3</sup>	ASTM D792
Ash Content	23 to 27	--	%	ASTM D2584
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8290	6000	MPa	ASTM D638
Tensile Strength	182	118	MPa	ASTM D638
Tensile Elongation (Break)	3.2	6.0	%	ASTM D638
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	10	12	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	254	--	°C	ASTM D648
Melting Temperature	250 to 265	--	°C	ASTM D2117
Flammability	Dry	Conditioned	Test Method	
Flame Rating	HB	--	UL 94	
Injection	Dry	Unit		

Drying Temperature	90.0	°C
Drying Time	3.0	hr
Suggested Max Moisture	0.20	%
Processing (Melt) Temp	280 to 305	°C
Mold Temperature	70.0 to 120	°C

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Recommended distributors for this material


## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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