

Nypol® PA A3 ST HS UV5 PRTA011 NR427

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 6.6 in black color, heat stabilized, with high impact resistance and UV protection for at least five years. good set of mechanical properties, high tenacity and elongation, good set of thermal properties. Ideal for injection molding.

General Information				
Additive		Heat Stabilizer		
		UV Stabilizer		
Features		Good UV Resistance		
		Heat Stabilized		
		High Elongation		
		High Impact Resistance		
Appearance		Black		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6.6<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.08 to 1.09	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.5 to 1.7	--	%	ASTM D955
Water Absorption (Equilibrium)	1.2	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	50.0	38.0	MPa	ASTM D638
Tensile Elongation (Break)	75	--	%	ASTM D638
Flexural Modulus	1950	800	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	990	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	63.0	--	°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	80.0		°C	
Drying Time	5.0		hr	
Suggested Max Moisture	0.20		%	

Processing (Melt) Temp	270 to 285	°C
Mold Temperature	60.0 to 80.0	°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

