

Nypol® PA A3 T30 UV PRTA010 NR444 MSP

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Black nylon 6.6 with 30% mineral filler, good set of mechanical and thermal properties. Ideal for injection molding.

General Information				
Filler / Reinforcement		Mineral,30% Filler by Weight		
Appearance		Black		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		>PA 6.6 T30<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.34 to 1.37	--	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	1.1	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	85.0	55.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0	8.0	%	ISO 527-2
Flexural Modulus	6000	2600	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	5.0	10	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	185	--	°C	ISO 75-2/Af
Melting Temperature	245 to 255	--	°C	ISO 11357-3
Injection	Dry	Unit		
Drying Temperature	80.0	°C		
Drying Time	4.0	hr		
Suggested Max Moisture	0.020	%		
Processing (Melt) Temp	250 to 275	°C		
Mold Temperature	60.0 to 80.0	°C		

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Recommended distributors for this material

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