

Nypol® PA A3 TZ PRTA010 NR355

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

Polyamide 66 Medium Toughened, black color, set excellent mechanical properties, higher impact, ideal for injection molding.

General Information				
Additive	Impact Modifier			
Features	High Impact Resistance			
Appearance	Black			
Processing Method	Injection Molding			
Resin ID (ISO 1043)	>PA 66-I<			
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.10	--	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5 to 1.7	--	%	ASTM D955
Water Absorption (24 hr)	1.2	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2500	1080	MPa	ISO 527-2
Tensile Stress				ISO 527-2
Yield	62.0	42.0	MPa	
50% Strain	65.0	44.0	MPa	
Tensile Strain				ISO 527-2
Yield	5.0	28	%	
Break	24	51	%	
Flexural Modulus	2300	1080	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
	130			
Charpy Notched Impact Strength	210	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	66.0	--	°C	ISO 75-2/A
Melting Temperature	260	--	°C	ASTM D2117
Flammability	Dry	Conditioned		Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	80.0 to 90.0		°C	
Drying Time	2.0 to 4.0		hr	
Suggested Max Moisture	0.20		%	
Processing (Melt) Temp	270 to 290		°C	

Mold Temperature	70.0	°C
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