Nypol® PA A3 TZ NTLA010 NR338

Polyamide 66

Petropol Industry and Trade of Polymers LTDA

Message:

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

General Information			
Additive	Impact Modifier		
Features	High Impact Resistance		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PA 66-I<		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.10	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.5 to 1.7	%	ASTM D955
Water Absorption (24 hr)	1.2	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	62.0	MPa	
50% Strain	65.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	24	%	
Flexural Modulus	2300	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	130	J/m	
23°C	210	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	66.0	°C	ISO 75-2/A
Melting Temperature	260	°C	ASTM D2117
Flammability	**Nominal Value**		**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**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	

Recommended distributors for this material

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