

# Nypol® PA B3 HL BRC0001 NT348 MSP

Polyamide 6

Petropol Industry and Trade of Polymers LTDA

Message:

Nypol® PA B3 HL BRC0001 NT348 MSP is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Nypol® PA B3 HL BRC0001 NT348 MSP: Flame Rated.

General Information				
Appearance		Natural Color		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.13 to 1.15	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.5	--	%	ASTM D955
Water Absorption (Equilibrium)	1.7	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	70.0	60.0	MPa	ASTM D638
Tensile Elongation (Break)	40	110	%	ASTM D638
Flexural Modulus	3000	1500	MPa	ASTM D790
Flexural Strength	100	50.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	60	90	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	--	°C	ASTM D648
Vicat Softening Temperature	205	--	°C	ASTM D1525 <sup>1</sup>
Melting Temperature	215 to 220	--	°C	ASTM D2117
Flammability	Dry	Conditioned	Test Method	
Flame Rating	V-2	--	UL 94	
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	4.0 to 6.0		hr	
Processing (Melt) Temp	230 to 240		°C	
Mold Temperature	70.0 to 80.0		°C	

NOTE	
1.	Rate A (50°C/h)

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## 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

