

# Nycal™ 2180N13H

Polyamide 66  
Technical Polymers, LLC

Message:

Nycal™2180N13H is a polyamide 66 (nylon 66) material. This product is available in North America and is processed by extrusion or injection molding.

Nycal™The main features of 2180N13H are:

- flame retardant/rated flame
- high viscosity
- Rapid Prototyping Cycle
- heat stabilizer

General Information	
Additive	heat stabilizer
Features	Fast molding cycle
	Thermal Stability
	Viscosity, High
Appearance	Natural color
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	93.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	%	ASTM D638
Flexural Modulus (23°C)	2960	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	232	°C	ASTM D648
1.8 MPa, not annealed	82.2	°C	ASTM D648
Melting Temperature	260	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Additional Information		
Tensile Elongation, ASTM D638: >50%Volum Resistivity, ASTM D257: >1e13 ohm-cm		
Injection	Nominal Value	Unit

Drying Temperature	73.9 - 79.4	°C
Drying Time	3.0 - 4.0	hr
Processing (Melt) Temp	271 - 299	°C
Mold Temperature	37.8 - 93.3	°C

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