

Nycal™ 2150N5/X

Polyamide 66
Technical Polymers, LLC

Message:

Nycal™2150N5/X 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 2150N5/X are:
flame retardant/rated flame
Rapid Prototyping Cycle

General Information	
Features	Fast molding cycle
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)	86.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	30	%	ASTM D638
Flexural Modulus (23°C)	2960	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	227	°C	ASTM D648
1.8 MPa, not annealed	71.1	°C	ASTM D648
Melting Temperature	262	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+12	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94

Additional Information		
Tensile Elongation, ASTM D638: >30%Volum Resistivity, ASTM D257: >1e12 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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Recommended distributors for this material

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