

# Nycal™ 2150T3

Polyamide 66  
Technical Polymers, LLC

Message:

Nycal™2150T3 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 2150T3 are:  
flame retardant/rated flame  
Impact resistance

General Information	
Features	Impact resistance, high
Appearance	Natural color
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	50.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	%	ASTM D638
Flexural Modulus (23°C)	1720	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	910	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	213	°C	ASTM D648
1.8 MPa, not annealed	71.1	°C	ASTM D648
Melting Temperature	260	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	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: >1e14 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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