

Nycal™ 2150L

Polyamide 66
Technical Polymers, LLC

Message:

Nycal™2150L 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 2150L are:
flame retardant/rated flame
Lubrication

General Information			
Additive	Lubricant		
Features	Lubrication		
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)	82.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Flexural Modulus (23°C)	2830	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	199	°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: >40%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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