

Nycal™ 2210

Polyamide
Technical Polymers, LLC

Message:

Nycal™2210 is a polyamide material. This product is available in North America and is processed by extrusion or injection molding.

General Information			
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	67.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	100	%	ASTM D638
Flexural Modulus (23°C)	2210	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	71.1	°C	ASTM D648
1.8 MPa, not annealed	62.8	°C	ASTM D648
Melting Temperature	73.9	°C	DSC

Additional Information			
Tensile Elongation, ASTM D638: >100%			

Injection	Nominal Value	Unit
Drying Temperature	60.0	°C
Drying Time	2.0 - 4.0	hr
Processing (Melt) Temp	243 - 254	°C
Mold Temperature	10.0 - 65.6	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.103 - 0.689	MPa
Screw Speed	25 - 75	rpm
Clamp Tonnage	3.4 - 5.5	kN/cm ²
Cushion	3.18 - 12.7	mm
Screw L/D Ratio	20.0:1.0	
Screw Compression Ratio	2.5:1.0	

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Recommended distributors for this material

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