

Nycal™ 2060H

Polyamide 612
Technical Polymers, LLC

Message:

Nycal™2060H is a polyamide 612 (nylon 6/12) material. This product is available in North America and is processed by extrusion or injection molding.
Nycal™The main features of 2060H are:
high viscosity
heat stabilizer

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	58.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	30	%	ASTM D638
Flexural Modulus (23°C)	2240	MPa	ASTM D790
Flexural Strength (23°C)	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	135	°C	ASTM D648
1.8 MPa, not annealed	57.2	°C	ASTM D648
Melting Temperature	218	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms · cm	ASTM D257

Additional Information		
Tensile Elongation, ASTM D638: >30%Volum Resistivity, ASTM D257: >1e13 ohm-cm		
Injection	Nominal Value	Unit
Drying Temperature	73.9 - 79.4	°C
Drying Time	2.0 - 4.0	hr
Processing (Melt) Temp	232 - 277	°C

Mold Temperature	48.9 - 93.3	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.103 - 0.689	MPa
Screw Speed	100	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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