

Nylene® 721

Polyamide 6

Custom Resins Group

Message:

Medium-impact modified nylon for fast, easy molding

Parts molded from 721 have good impact strength right out of the mold without post conditioning

Suitable for applications such as clips, fasteners, and other parts where some initial flexibility and impact resistance is desired

Cylinder temperatures should be in the 450°F-500°F range.

General Information			
Additive	Impact Modifier		
Features	Good Impact Resistance		
	Good Moldability		
	Impact Modified		
Uses	Fasteners		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	62.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	200	%	ASTM D638
Flexural Modulus (23°C)	2170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	27	J/m	
23°C	160	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	170	°C	
1.8 MPa, Unannealed	62.8	°C	
Peak Melting Temperature	221	°C	ASTM D3418
Injection	Nominal Value	Unit	
Rear Temperature	232 to 260	°C	
Middle Temperature	232 to 260	°C	
Front Temperature	232 to 260	°C	

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Recommended distributors for this material

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