

Nylene® 733

Polyamide 6

Custom Resins Group

Message:

Highly impact modified nylon suitable for both molding and extrusion

Parts molded from 733 have excellent impact strength right out of the mold without post conditioning

Highlights include high stiffness and high strength

Cylinder temperatures should be in the 500-550°F range.

General Information	
UL YellowCard	E40081-231512
Additive	Impact Modifier
Features	Good Impact Resistance
	High Stiffness
	High Strength
	Impact Modified
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	72.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	200	%	ASTM D638
Flexural Modulus (23°C)	2070	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	160	J/m	
23°C	850	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	61.1	°C	ASTM D648
Peak Melting Temperature	218	°C	ASTM D3418
Injection	Nominal Value	Unit	
Rear Temperature	260 to 288	°C	
Middle Temperature	260 to 288	°C	
Front Temperature	260 to 288	°C	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	260 to 288	°C	

Cylinder Zone 2 Temp.	260 to 288	°C
Cylinder Zone 3 Temp.	260 to 288	°C
Cylinder Zone 4 Temp.	260 to 288	°C
Cylinder Zone 5 Temp.	260 to 288	°C

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Recommended distributors for this material

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