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/cm³	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

Recommended distributors for this material

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