

## Product Description

Nylon 66

## Special Characteristics

- Heat Stabilized, Lubricated 35% Glass Fiber Reinforced Nylon 6/6

## General Properties

Appearance	Black, Natural or Colors
Processing Methods	Injection Molding
Applications	Automotive, Material Handling, Industrial

## Mechanical Properties

	Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ASTM D638	28,000	psi	193	MPa
Tensile Strength @ Break	ASTM D638	7,830	psi	54	MPa
Tensile Elongation at Break	ASTM D638	3	%	3	%
Flexural Modulus	ASTM D790	1,500,000	psi	10,345	MPa
Flexural Strength	ASTM D790	40,000	psi	276	MPa
Notched Izod Impact (73°F)	ASTM D256	1.5	ft-lb/in	80	J/m

## Physical Properties

	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.40	sp gr	1.40	sp gr
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.004	in/in	0.102	mm/mm
Filler Content		35	%	35	%

## Thermal Properties

	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 66 psi	ASTM D648	490	°F	254	°C
Heat Deflection Temperature @ 264 psi	ASTM D648	478	°F	248	°C

## Injection Molding

	Value	
Drying Temperature	175	°F
Drying Time	2.0 - 4.0	hrs
Maximum Drying Time	4.0	hrs
Suggested Maximum Moisture	0.02	%
Rear Barrel Temperatures	550 - 570	°F
Middle Barrel Temperatures	530 - 550	°F
Front Barrel Temperatures	510 - 530	°F
Nozzle Temperature	540 - 560	°F
Melt (processing) Temperatures	550 - 580	°F
Mold Temperatures	150 - 250	°F

**PA6635GFHSV**



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EnCom Polymers, Inc. • 2500 Waterbridge Way • Evansville, IN 47710  
812-421-7700 • [www.encompolymers.com](http://www.encompolymers.com)