

# EnLon 6650GF

Polyamide 66



Product Description					
50% Glass Fiber Reinforced Nylon 66					
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	33,000	psi	228	MPa
Tensile Elongation at Break	ASTM D638	3	%	3	%
Flexural Modulus	ASTM D790	2,300,000	psi	15,862	MPa
Flexural Strength	ASTM D790	44,000	psi	303	MPa
Notched Izod Impact (73°F)	ASTM D256	3.0	ft-lb/in	160	J/m
Physical Properties		Test Method	English Units		S.I. Units
Specific Gravity	ASTM D792	1.56	sp gr	1.56	sp gr
Filler Content		50	%	50	%
Thermal Properties		Test Method	English Units		S.I. Units
Heat Deflection Temperature @ 264 psi	ASTM D648	482	°F	250	°C
Injection Molding			Value		
Drying Temperature		180	°F		
Drying Time		3.0 - 4.0	hrs		
Maximum Drying Time		4.0	hrs		
Suggested Maximum Moisture		0.02	%		
Rear Barrel Temperatures		490 - 560	°F		
Middle Barrel Temperatures		510 - 570	°F		
Front Barrel Temperatures		520 - 570	°F		
Nozzle Temperature		540 - 570	°F		
Melt (processing) Temperatures		500 - 570	°F		
Mold Temperatures		160 - 240	°F		

These Data Sheet Values are Typical Values and are not intended for specification purposes. These values should only be used as a guide and no assurances by EnCom, Inc. can be granted that all molded articles will exhibit duplicate properties as those listed above. Each material user should perform their own testing for suitability.

EnCom Polymers, Inc.

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