

# EnLon 6633GFIMHSL

Polyamide 66



Product Description					
33% Glass Filled, Impact Modified, Heat Stabilized, Lubricated Nylon 66					
General Properties					
Appearance	Black, Natural, Colors				
Processing Methods	Injection Molding				
Applications	Automotive, Material Handling, Industrial				
Mechanical Properties	Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ASTM D638	21,000	psi	145	MPa
Tensile Elongation at Break	ASTM D638	5	%	5	%
Flexural Modulus	ASTM D790	1,100,000	psi	7,586	MPa
Flexural Strength	ASTM D790	29,000	psi	200	MPa
Notched Izod Impact (73°F)	ASTM D256	3.5	ft-lb/in	187	J/m
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.34	sp gr	1.34	sp gr
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.002 - 0.004	in/in	0.051 - 0.102	mm/mm
Filler Content		33.0	%	33.0	%
Flame Rating 0.059	UL 94	HB		HB	
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 264 psi	ASTM D648	428	°F	220	°C
Injection Molding		Value			
Drying Temperature		175	°F		
Drying Time		2.0 - 4.0	hrs		
Suggested Maximum Moisture		0.02	%		
Rear Barrel Temperatures		500 - 530	°F		
Middle Barrel Temperatures		520 - 550	°F		
Front Barrel Temperatures		540 - 570	°F		
Nozzle Temperature		540 - 570	°F		
Melt (processing) Temperatures		540 - 570	°F		
Mold Temperatures		150 - 220	°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.