

EnLon 635GF

Polyamide 6



Product Description					
35% Glass Filled Nylon 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	17,200	psi	119	MPa
Tensile Elongation at Break	ASTM D638	3	%	3	%
Flexural Modulus	ASTM D790	1,200,000	psi	8,276	MPa
Flexural Strength	ASTM D790	28,700	psi	198	MPa
Notched Izod Impact (73°F)	ASTM D256	0.9	ft-lb/in	48	J/m
Physical Properties		Test Method	English Units		S.I. Units
Specific Gravity	ASTM D792	1.43	sp gr	1.43	sp gr
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.004	in/in	0.004	mm/mm
Filler Content		35	%	35	%
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 - 540	°F		
Middle Barrel Temperatures		510 - 550	°F		
Front Barrel Temperatures		520 - 570	°F		
Nozzle Temperature		540 - 570	°F		
Melt (processing) Temperatures		500 - 570	°F		
Mold Temperatures		160 - 210	°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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