

EnLon 620GFU

Polyamide 6



Product Description					
20% Glass Filled Nylon 6, UV Resistant					
General Properties					
Appearance	Black, Natural or Colors				
Processing Methods	Injection Molding				
Applications	Automotive, Material Handling				
Mechanical Properties	Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ASTM D638	18,000	psi	124	MPa
Tensile Elongation at Break	ASTM D638	5	%	5	%
Flexural Modulus	ASTM D790	1,000,000	psi	6,897	MPa
Flexural Strength	ASTM D790	29,000	psi	200	MPa
Notched Izod Impact (73°F)	ASTM D256	1.2	ft-lb/in	64	J/m
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.28	sp gr	1.28	sp gr
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.005	in/in	0.005	mm/mm
Filler Content		20.0	%	20.0	%
Flame Rating 0.062	UL 94	HB		HB	
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 264 psi	ASTM D648	405	°F	207	°C
Injection Molding		Value			
Drying Temperature		165	°F		
Drying Time		4.0 - 8.0	hrs		
Maximum Drying Time		4	hrs		
Suggested Maximum Moisture		0.02	%		
Suggested Shot Size		25 - 75	%		
Rear Barrel Temperatures		450 - 500	°F		
Middle Barrel Temperatures		460 - 510	°F		
Front Barrel Temperatures		470 - 520	°F		
Nozzle Temperature		470 - 520	°F		
Melt (processing) Temperatures		470 - 520	°F		
Mold Temperatures		150 - 250	°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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