

EnLon 620GF

Polyamide 6



Product Description				
20% Glass Filled Nylon 6				
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.

812-421-7700 • www.encompolymers.com