

EnValoy 10GF3002U

Glass Reinforced PC/ABS



Product Description					
Glass Filled, High Flow, High Flex Modulus, UV Reistant, PC/ABS					
General Properties					
Appearance	Black, Natural or Colors				
Processing Methods	Injection Molding				
Applications	Appliance, Tool and Equipment, Electrical Components				
Mechanical Properties	Test Method	English Units		S.I. Units	
Tensile Strength @ Break	ASTM D638	10,900	psi	75	MPa
Tensile Elongation at Break	ASTM D638	>10%	%	>10%	%
Flexural Modulus	ASTM D790	525,000	psi	3,621	MPa
Flexural Strength	ASTM D790	15,000	psi	103	MPa
Notched Izod Impact (73°F)	ASTM D256	2.5	ft-lb/in	134	J/m
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.20	sp gr	1.20	sp gr
Melt Flow 260°C/5.0 kg	ASTM D1238	20.0	g/10min	20.0	g/10min
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.004	in/in	0.004	mm/mm
Filler Content		10.0	%	10.0	%
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 66 psi	ASTM D648	265	°F	129	°C
Injection Molding		Value			
Drying Temperature		220	°F		
Drying Time		3.0 - 4.0	hrs		
Maximum Drying Time		4.0	hrs		
Suggested Maximum Moisture		0.02	%		
Rear Barrel Temperatures		460 - 490	°F		
Middle Barrel Temperatures		470 - 500	°F		
Front Barrel Temperatures		480 - 510	°F		
Nozzle Temperature		480 - 520	°F		
Melt (processing) Temperatures		460 - 520	°F		
Mold Temperatures		130 - 190	°F		
Back Pressure		30 - 70	psi		

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.