

EnLoy GEP30GF

PPE/PS



Product Description						
30% Glass Fiber Reinforced PPE/PS Alloy						
Mechanical Properties		Test Method	English Units		S.I. Units	
Tensile Strength @ Yield		ASTM D638	15,000	psi	103	MPa
Tensile Elongation at Break		ASTM D638	2	%	2	%
Flexural Modulus		ASTM D790	1,100,000	psi	7,586	MPa
Flexural Strength		ASTM D790	22,000	psi	152	MPa
Notched Izod Impact (73°F)		ASTM D256	1.8	ft-lb/in	96	J/m
Physical Properties		Test Method	English Units		S.I. Units	
Specific Gravity		ASTM D792	1.29	sp gr	1.29	sp gr
Mold Shrink - Flow: 0.125 in		ASTM D955	0.003	in/in	0.003	mm/mm
Thermal Properties		Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 66 psi		ASTM D648	312	°F	156	°C
Heat Deflection Temperature @ 264 psi		ASTM D648	275	°F	135	°C
Injection Molding			Value			
Drying Temperature			240	°F		
Drying Time			3.0 to 4.0	hr		
Suggested Maximum Moisture			0.02	%		
Rear Barrel Temperatures			500 to 590	°F		
Middle Barrel Temperatures			520 to 600	°F		
Front Barrel Temperatures			540 to 610	°F		
Nozzle Temperature			560 to 610	°F		
Melt (processing) Temperatures			560 to 610	°F		
Mold Temperatures			180 to 240	°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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