

EnLoy 30GF

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	16,500	psi	114	MPa
Tensile Elongation at Break	ASTM D638	2	%	2	%
Flexural Modulus	ASTM D790	1,100,000	psi	7,586	MPa
Flexural Strength	ASTM D790	25,000	psi	172	MPa
Notched Izod Impact (73°F)	ASTM D256	2.0	ft-lb/in	107	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 @ 264 psi	ASTM D648	278	°F	137	°C
Injection Molding			Value		
Drying Temperature		225	°F		
Drying Time		3.0 to 5.0	hr		
Suggested Maximum Moisture		0.07	%		
Rear Barrel Temperatures		500 to 570	°F		
Middle Barrel Temperatures		510 to 570	°F		
Front Barrel Temperatures		520 to 570	°F		
Nozzle Temperature		530 to 570	°F		
Melt (processing) Temperatures		530 to 570	°F		
Mold Temperatures		170 to 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.

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