

EnLoy 130GF

PPE/PA



Product Description					
30% Glass Filled PPE/PA Alloy					
General Properties					
Appearance	Black				
Processing Methods	Injection Molding, Profile Extrusion				
Applications	Automotive, Business Equipment,				
Mechanical Properties	Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ASTM D638	19,500	psi	134	MPa
Tensile Elongation at Break	ASTM D638	7	%	7	%
Flexural Modulus	ASTM D790	1,300,000	psi	8,966	MPa
Flexural Strength	ASTM D790	32,000	psi	221	MPa
Notched Izod Impact (73°F)	ASTM D256	1.7	ft-lb/in	91	J/m
CLTE	ASTM E831	6.00E-11	in/(in, °F)	1.08E-10	mm/(mm, °C)
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.33	sp gr	1.33	sp gr
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.003	in/in	0.003	mm/mm
Filler Content		30.0	%	30.0	%
Flame Rating 0.062	UL 94	HB		HB	
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 66 psi	ASTM D648	485	°F	252	°C
Heat Deflection Temperature @ 264 psi	ASTM D648	460	°F	238	°C
Injection Molding		Value			
Drying Temperature		200 - 225	°F		
Drying Time		2.0 - 4.0 hr	hrs		
Maximum Drying Time		4.0	hrs		
Suggested Maximum Moisture		0.05	%		
Suggested Shot Size		40 - 75	%		
Rear Barrel Temperatures		500 - 570	°F		
Middle Barrel Temperatures		510 - 570	°F		
Front Barrel Temperatures		520 - 570	°F		
Nozzle Temperature		530 - 570	°F		
Melt (processing) Temperatures		530 - 570	°F		
Mold Temperatures		150 - 250	°F		
Back Pressure		25 - 100	psi		
Screw speed		20 - 100	rpm		
Vent Depth		0.0015 - 0.0030	in		

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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