

# EnLon F6525GF

Polyamide 6



Product Description					
Flame Retardant Nylon 6 with 25% Glass Reinforced					
General Properties					
Appearance	Black, Natural or Colors				
Processing Methods	Injection Molding				
Applications	Automotive, Material Handling, Industrial				
Mechanical Properties		Test Method	English Units		S.I. Units
Tensile Strength @ Yield	ASTM D638	18,500	psi	128	MPa
Tensile Elongation at Break	ASTM D638	5	%	5	%
Flexural Modulus	ASTM D790	1,300,000	psi	8,966	MPa
Notched Izod Impact (73°F)	ASTM D256	1.3	ft-lb/in	69	J/m
Physical Properties		Test Method	English Units		S.I. Units
Specific Gravity	ASTM D792	1.55	sp gr	1.55	sp gr
Filler Content		25.0	%	25.0	%
Flame Rating	0.098	UL 94	5VA	5VA	
Flame Rating	0.006	UL 94	V-1	V-1	
Thermal Properties		Test Method	English Units		S.I. Units
Heat Deflection Temperature @ 66 psi	ASTM D648	490	°F	254	°C
Heat Deflection Temperature @ 264 psi	ASTM D648	470	°F	243	°C

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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