

# EnLon 66IM18

Polyamide 66



Product Description							
Super Impact Modified Nylon 66							
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	6,800	psi	47	MPa		
Tensile Elongation at Break	ASTM D638	180	%	180	%		
Flexural Modulus	ASTM D790	245,000	psi	1,690	MPa		
Flexural Strength	ASTM D790	9,500	psi	66	MPa		
Notched Izod Impact (73°F)	ASTM D256	18.0	ft-lb/in	961	J/m		
Physical Properties		Test Method		English Units		S.I. Units	
Specific Gravity	ASTM D792	1.08	sp gr	1.08	sp gr		
Thermal Properties		Test Method		English Units		S.I. Units	
Heat Deflection Temperature @ 264 psi	ASTM D648	160	°F	71	°C		
Injection Molding			Value				
Drying Temperature		175	°F				
Drying Time		2.0 - 4.0	hrs				
Maximum Drying Time		4.0	hrs				
Suggested Maximum Moisture		0.02	%				
Rear Barrel Temperatures		520 - 550	°F				
Middle Barrel Temperatures		530 - 560	°F				
Front Barrel Temperatures		540 - 570	°F				
Nozzle Temperature		530 - 560	°F				
Melt (processing) Temperatures		550 - 580	°F				
Mold Temperatures		150 - 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.

EnCom Polymers, Inc.

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