

EnLon 66HSLU

Polyamide 66



Product Description					
Heat Stabilized, Lubricated, UV Resistant Nylon 66					
General Properties					
Appearance	Black and Natural				
Processing Methods	Injection Molding				
Applications	Automotive, Material Handling, Industrial				
Mechanical Properties	Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ASTM D638	12,325	psi	85	MPa
Tensile Modulus	ASTM D638	464,000	psi	3200	MPa
Tensile Elongation at Break	ASTM D638	25	%	25	%
Flexural Modulus	ASTM D790	406,000	psi	2,800	MPa
Flexural Strength	ASTM D790	15,225	psi	105	MPa
Notched Izod Impact (73°F)	ASTM D256	0.8	ft-lb/in	43	J/m
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.14	sp gr	1.14	sp gr
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.013-0.016	in/in	0.013-0.016	mm/mm
Flame Rating 0.032	UL 94	V-2		V-2	
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 66 psi	ASTM D648	383	°F	195	°C
Heat Deflection Temperature @ 264 psi	ASTM D648	158	°F	70	°C
Injection Molding		Value			
Drying Temperature		175		°F	
Drying Time		2.0 - 4.0		hrs	
Suggested Maximum Moisture		0.02		%	
Rear Barrel Temperatures		480 - 530		°F	
Middle Barrel Temperatures		500 - 550		°F	
Front Barrel Temperatures		520 - 570		°F	
Nozzle Temperature		520 - 570		°F	
Melt (processing) Temperatures		520 - 570		°F	
Mold Temperatures		120 - 190		°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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