

EnLon 266IM20UW

Polyamide 66



Product Description					
Super Impact Modified, UV Stabilized, Weather Resistant 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	100	%	100	%
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	19.0	ft-lb/in	1015	J/m
Notched Izod Impact (-40°F)	ASTM D256	7.0	ft-lb/in	374	J/m
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	1.08	sp gr	1.08	sp gr
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	.018 - .022	in/in	0.457 - 0.559	mm/mm
CLTE - Flow		7.80E-05	In/in/°F		
CLTE - Transverse		6.70E-05	In/in/°F		
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		540 - 570	°F		
Mold Temperatures		100 - 200	°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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