## ENTEC HYLON® N1013HL NAT

## Ravago Manufacturing Americas - Polyamide 66

Tuesday, December 14, 2021

General Information						
Product Description						
PA 66, 13% Glass Fiber Reinford	ced, Heat Stabilized, Lubricated, Natura	I Color				
General						
Material Status	Commercial: Active					
Availability	North America					
Filler / Reinforcement	Glass Fiber, 13% Filler by	Glass Fiber, 13% Filler by Weight				
Additive	Heat Stabilizer	Lubricant				
Features	Heat Stabilized	Lubricated				
RoHS Compliance	RoHS Compliant					
Appearance	Natural Color					

ASTM & ISO Properties <sup>1</sup>						
Physical	Dry	Conditioned	Unit	Test Method		
Density	1.24		g/cm³	ISO 1183		
Molding Shrinkage - Flow (0.125 in)	0.60 to 0.90		%	ISO 294-4		
Water Absorption (24 hr, 73°F)	1.0		%	ISO 62		
Mechanical	Dry	Conditioned	Unit	Test Method		
Tensile Stress (Break)	16500	10600	psi	ISO 527-2		
Tensile Strain (Break)	2.5	10	%	ISO 527-2		
Flexural Modulus	740000	431000	psi	ISO 178		
Flexural Stress	26100	15100	psi	ISO 178		
Impact	Dry	Conditioned	Unit	Test Method		
Charpy Notched Impact Strength	1.9	3.3	ft·lb/in²	ISO 179		
Notched Izod Impact Strength	1.9	3.3	ft·lb/in²	ISO 180		
Thermal	Dry	Conditioned	Unit	Test Method		
Deflection Temperature Under Load				ISO 75-2/B		
66 psi, Unannealed	491		°F			
Deflection Temperature Under Load				ISO 75-2/A		
264 psi, Unannealed	455		°F			
Flammability	Dry	Conditioned	Unit	Test Method		
Flame Rating				UL 94		
0.06 in	HB					
0.12 in	HB					

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.



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