



# HYLON® N1025TH2L2FRC0

## Ravago Manufacturing Europe - Polyamide 66

### General Information

#### Product Description

25% Glass Fiber Reinforced, Impact Modified, Halogen Free - Red Phosphorus Flame Retardant, Polyamide 66 Compound

Key Features: HYLON N1025TH2L2FRC0 is UL94 V0 and heat stabilized PA66 compound with good mechanical and impact properties

Process Method: Injection molding

Uses: Recommended for electrical applications

#### General

Material Status	• Commercial: Active		
Availability	• Europe		
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight		
Additive	• Flame Retardant	• Heat Stabilizer	• Impact Modifier
Features	• Flame Retardant • Good Impact Resistance	• Halogen Free • Heat Stabilized	• Low (to None) Phosphorus Content
Uses	• Electrical/Electronic Applications		
Processing Method	• Injection Molding		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm <sup>3</sup>	ISO 1183/A
Water Absorption	0.90	%	ISO 787-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8500	MPa	ISO 527-1
Tensile Stress (Break)	135	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	6500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m <sup>2</sup>	ISO 179/1A
Notched Izod Impact Strength (23°C)	8.0	kJ/m <sup>2</sup>	ISO 180/1A
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112

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Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.8 mm		V-0	
1.6 mm	•	V-0	
	•	5VA	
3.2 mm	•	V-0	
	•	5VA	
Glow Wire Flammability Index			IEC 60695-2-12
1.0 mm		960 °C	
2.0 mm		960 °C	
3.0 mm		960 °C	

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	90	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	260 to 270	°C
Middle Temperature	270 to 280	°C
Front Temperature	280 to 290	°C
Nozzle Temperature	280 to 290	°C
Mold Temperature	80	°C

### Notes

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