

LNP Starflam* RF-1005 Z270

Polyamide 66

SABIC Innovative Plastics Asia Pacific

Product Description

25% glass fibre; flame retardant; halogen and red phosphorus free

General

Filler / Reinforcement	• Glass Fiber Reinforcement, 25% Filler by Weight	
Features	• Bromine Free	• Flame Retardant
	• Chlorine Free	• Low (to None) Phosphorus Content
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value	Unit	Test Method
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Density	1.39	g/cm ³	ISO 1183
Molding Shrinkage - Flow (24 hr)	0.20 to 0.40	%	ISO 294-4

Mechanical	Nominal Value	Unit	Test Method
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Tensile Modulus	9400	MPa	ISO 527-2
Tensile Stress (Break)	140	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	8000	MPa	ISO 178
Flexural Strength	205	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
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Notched Izod Impact Strength	10.0	kJ/m ²	ISO 180
Unnotched Izod Impact Strength	54.0	kJ/m ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
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Heat Deflection Temperature 1.8 MPa, Unannealed	245	°C	ISO 75-2/A
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Electrical	Nominal Value	Unit	Test Method
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Comparative Tracking Index	600	V	IEC 60112
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Flammability	Nominal Value	Unit	Test Method
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Flame Rating - UL (0.800 mm)	V-0		UL 94
Glow Wire Ignition Temperature (1.60 mm)	960	°C	IEC 60695-2-13

Injection	Nominal Value	Unit
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Drying Temperature	82.2	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	266 to 277	°C
Mold Temperature	60.0 to 98.9	°C
Back Pressure	0.172 to 0.345	MPa

Notes

¹ Typical properties: these are not to be construed as specifications.