

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 • Chlorine Free • Flame Retardant • Low (to None) Phosphorus Content		
Forms	• Pellets		
Processing Method	• Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm³	ISO 1183
Molding Shrinkage - Flow (24 hr)	0.20 to 0.40	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
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
Notched Izod Impact Strength	10.0	kJ/m²	ISO 180
Unnotched Izod Impact Strength	54.0	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature 1.8 MPa, Unannealed	245	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
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	
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.