

LNP Starflam* PM-3240 Z222

Polyamide 6

SABIC Innovative Plastics Asia Pacific

General

Filler / Reinforcement	• Mineral Filler		
Features	• Bromine Free	• Chlorine Free	• Flame Retardant
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage - Flow (24 hr)	0.50 to 0.80	%	ISO 294-4

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6400	MPa	ISO 527-2
Tensile Stress (Break)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	6000	MPa	ISO 178
Flexural Strength	130	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.00	kJ/m ²	ISO 180
Unnotched Izod Impact Strength	45.0	kJ/m ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature 1.8 MPa, Unannealed	100	°C	ISO 75-2/A

Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL (1.60 mm)	V-2		UL 94

Injection	Nominal Value	Unit
Drying Temperature	82.2	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	252 to 266	°C
Mold Temperature	54.4 to 93.3	°C
Back Pressure	0.172 to 0.345	MPa

Notes

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