

ESPREE™ NY6614GT

Polyamide 66
SABIC Innovative Plastics

Message:

ESPREE™ NY6614GT is a Polyamide 66 (Nylon 66) product filled with 14% glass fiber. It can be processed by injection molding and is available in North America. Primary characteristic: impact modified.

General Information			
Filler / Reinforcement	Glass Fiber,14% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Ultimate, 3.18 mm)	75.8	MPa	ASTM D638
Flexural Modulus ² (3.18 mm)	3450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	221	°C	ASTM D648
Melting Temperature	249	°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0	hr	
Drying Time, Maximum	8.0	hr	
Suggested Shot Size	40 to 80	%	
Rear Temperature	249 to 282	°C	
Middle Temperature	260 to 288	°C	
Front Temperature	271 to 304	°C	
Nozzle Temperature	271 to 304	°C	
Processing (Melt) Temp	271 to 304	°C	
Mold Temperature	65.6 to 110	°C	
Back Pressure	0.172 to 1.03	MPa	
Screw Speed	50 to 150	rpm	
NOTE			
1.	5.1 mm/min		
2.	1.3 mm/min		

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Recommended distributors for this material

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