

ESPREE NY6614GT

Polyamide 66

SABIC Innovative Plastics



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Technical Data

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• SABIC Innovative Plastics • ESPREE
Availability	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 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 ³ (Ultimate, 3.18 mm)	75.8 MPa	ASTM D638
Flexural Modulus ⁴ (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

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ 5.1 mm/min

⁴ 1.3 mm/min

ESFREE NY6614GT

Polyamide 66

SABIC Innovative Plastics

Where to Buy

Supplier

SABIC Innovative Plastics

Pittsfield, MA USA

Telephone: 800-845-0600

Web: <http://www.sabic-ip.com/>

Distributor

Nexeo Solutions

Telephone: 800-531-7106

Web: <http://www.nexeosolutions.com/>

Availability: North America



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– Kevin Chase, Owner & President, Chase Plastics



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