

ECONAMID® FL 66G25

Polyamide 66

DOMO Engineering Plastics

PROSPECTOR®

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Technical Data

Product Description

(ECONAMID 66G25FL)

Polyamide 66, 25% glass fibre, for injection moulding.

General

Material Status	• Commercial: Active
Literature ¹	• Brochure - DOMO ENGINEERING PLASTICS: In Chemicals We Trust. (English) • Brochure - PRODUCTS LIST: DOMAMID & ECONAMID (English) • Technical Datasheet (English)
Search for UL Yellow Card	• DOMO Engineering Plastics
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA66-GF25

Physical	Nominal Value Unit	Test Method
Density	1.32 g/cm ³	ISO 1183

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	8000 MPa	ISO 527-2/1
Tensile Stress (Break)	135 MPa	ISO 527-2/5
Tensile Strain (Break)	3.0 %	ISO 527-2/5

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength (23°C)	5.0 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	30 kJ/m ²	ISO 180/1U

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature 0.45 MPa, Unannealed	255 °C	ISO 75-2/B
1.8 MPa, Unannealed	250 °C	ISO 75-2/A
Melting Temperature	262 °C	ISO 11357-3

Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+13 ohms	IEC 60093
Volume Resistivity	1.0E+15 ohms·cm	IEC 60093

Flammability	Nominal Value Unit	Test Method
Burning Rate	< 100 mm/min	FMVSS 302
Flame Rating (0.8 mm)	HB	UL 94

Injection	Nominal Value Unit
Drying Temperature	75 to 85 °C
Drying Time	2.0 to 4.0 hr
Processing (Melt) Temp	260 to 285 °C
Mold Temperature	80 to 120 °C

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.

