

# ECONAMID® FL 66G15

Polyamide 66

DOMO Engineering Plastics

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## Technical Data

### Product Description

(ECONAMID 66G15FL)

Polyamide 66, 15% glass fibre, for injection moulding.

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Brochure - DOMO ENGINEERING PLASTICS: In Chemicals We Trust. (English)</a> • <a href="#">Brochure - PRODUCTS LIST: DOMAMID &amp; ECONAMID (English)</a> • <a href="#">Technical Datasheet (English)</a>
Search for UL Yellow Card	• <a href="#">DOMO Engineering Plastics</a>
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA66-GF15

Physical	Nominal Value Unit	Test Method
Density	1.23 g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	5500 MPa	ISO 527-2/1
Tensile Stress (Break)	100 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 <sup>2</sup>	ISO 180/1A
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature 1.8 MPa, Unannealed	250 °C	ISO 75-2/A
Vicat Softening Temperature	240 °C	ISO 306/B50
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

<sup>1</sup> 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.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

