

# ECOMID® A GF30 NC 1102

ECOMID®

General purpose grade suitable for any technical application.

## Product information

Resin Identification	PA66-GF30	ISO 1043
Part Marking Code	>PA66-GF30<	ISO 11469

## Rheological properties

Moulding shrinkage range, parallel	0.3 - 0.6 %	ISO 294-4, 2577
Moulding shrinkage range, normal	0.6 - 0.9 %	ISO 294-4, 2577

## Typical mechanical properties

	dry/cond.		
Tensile modulus	9500 / -	MPa	ISO 527-1/-2
Tensile stress at break, 5mm/min	150 / -	MPa	ISO 527-1/-2
Tensile strain at break, 5mm/min	2.5 / -	%	ISO 527-1/-2
Charpy impact strength, 23°C	40 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Izod notched impact strength, 23°C	6 / -	kJ/m <sup>2</sup>	ISO 180/1A
Poisson's ratio	0.34 / - <sup>[C]</sup>		
[C]: Calculated			

## Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	265 / *	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	245 / *	°C	ISO 75-1/-2

## Flammability

	dry/cond.		
Burning Behav. at 1.5mm nom. thickn.	HB / *	class	IEC 60695-11-10

## Physical/Other properties

	dry/cond.		
Humidity absorption, 2mm	1.4 / *	%	Sim. to ISO 62
Water absorption, 2mm	5.5 / *	%	Sim. to ISO 62
Density	1360 / -	kg/m <sup>3</sup>	ISO 1183

## Injection

Drying Recommended	yes
Drying Temperature	80 °C
Drying Time, Dehumidified Dryer	2 - 4 h
Processing Moisture Content	≤0.15 %
Melt Temperature Optimum	285 °C
Min. melt temperature	275 °C
Max. melt temperature	295 °C
Screw tangential speed	≤0.2 m/s
Mold Temperature Optimum	100 °C
Min. mould temperature	70 °C
Max. mould temperature	120 °C

## Characteristics

Processing	Injection Moulding
Delivery form	Granules