



## ECOMID® A H J10 NC 1102/A

## **ECOMID®**

General purpose grade, designed for Automotive industry, medium tougheness. Typically used for fitting elements.

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Resin Identification	PA66-I		ISO 1043
Part Marking Code	>PA66-I<		ISO 11469
Continuous Service Temperature	120	°C	IEC 60216-1
Rheological properties	dry/cond.		
Moulding shrinkage, parallel	1.4/-	%	ISO 294-4, 2577
Moulding shrinkage, normal	1.4/-	%	ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus	2200/-	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	50/-	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	5/-	%	ISO 527-1/-2
Tensile strain at break, 50mm/min	30/-	%	ISO 527-1/-2
Flexural modulus	2000/-	MPa	ISO 178
Flexural strength	75/-	MPa	ISO 178
Charpy impact strength, 23°C	N/-	kJ/m²	ISO 179/1eU
Izod notched impact strength, 23°C	18/-	kJ/m²	ISO 180/1A
Izod notched impact strength, -30°C	9.0/-	kJ/m²	ISO 180/1A
Poisson's ratio	0.39/- <sup>[C]</sup>		
[C]: Calculated			
Thermal properties	dry/cond.		
Temperature of deflection under load, 1.8 MPa	65/*	°C	ISO 75-1/-2
Temperature of deflection under load, 0.45 MPa	190/*	°C	ISO 75-1/-2
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Physical/Other properties	dry/cond.		
Humidity absorption, 2mm	1.8/*	%	Sim. to ISO 62
Water absorption, 2mm	7/*	%	Sim. to ISO 62
Density	1080/-	kg/m³	ISO 1183
Injection			
Drying Recommended	yes		
Drying Temperature	,	°C	
Drying Time, Dehumidified Dryer	2 - 4		
Processing Moisture Content	≤0.15	%	
Melt Temperature Optimum	290		
Min. melt temperature	280		
Max. melt temperature	300	°C	

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≤0.4 m/s

70 °C 50 °C

90 °C

Revised: 2024-11-26 Source: Celanese Materials Database

Screw tangential speed

Min. mould temperature

Max. mould temperature

Mold Temperature Optimum

(+) 18816996168 Ponciplastics.com



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## Characteristics

Processing Injection Moulding

Special characteristics High impact or impact modified, Heat stabilised or stable to heat

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