(+) 18816996168
Ponciplastics.com

Celanese
The chemistry inside innovation™

ECOMID® B H D8 GY 7035/2

ECOMID®

General purpose grade with recycled polymer content, fast cycles. Flexible and tough even in 'dry as molded' conditions.

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Product information

Resin Identification	PA6-I	ISO 1043
Part Marking Code	>PA6-I<	ISO 11469

Rheological properties

Moulding shrinkage range, parallel	1.3 - 1.7	%	ISO 294-4, 2577
Moulding shrinkage range, normal	1.3 - 1.7	%	ISO 294-4, 2577

Typical mechanical properties

	dry/cond.		
Tensile modulus	2800 / -	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	70 / -	MPa	ISO 527-1/-2
Tensile strain at break, 50mm/min	18 / -	%	ISO 527-1/-2
Charpy impact strength, 23°C	>80 / -	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	7 / -	kJ/m²	ISO 179/1eA
Izod notched impact strength, 23°C	5.5 / -	kJ/m²	ISO 180/1A
Izod impact strength, 23°C	16 / -	kJ/m²	ISO 180/1U
Poisson's ratio	0.37 / -[C]		

[C]: Calculated

Thermal properties

	dry/cond.		
Melting temperature, 10°C/min	225 / *	°C	ISO 11357-1/-3

Physical/Other properties

	dry/cond.		
Humidity absorption, 2mm	2.3 / *	%	Sim. to ISO 62
Water absorption, 2mm	7.9 / *	%	Sim. to ISO 62
Density	1120 / -	kg/m³	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	260	°C
Min. melt temperature	240	°C
Max. melt temperature	270	°C
Screw tangential speed	≤0.25	m/s
Mold Temperature Optimum	70	°C
Min. mould temperature	50	°C
Max. mould temperature	90	°C

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Characteristics

Processing	Injection Moulding
Delivery form	Granules
Additives	Nucleated
Special characteristics	High impact or impact modified, Heat stabilised or stable to heat