

# ECOMID<sup>®</sup> ARX H GF20 BK 9005 ECOMID®

Car industry, Household appliances, Electrical devices.

### Product information

Resin Identification Part Marking Code	PA66-GF20 >PA66-GF20<		ISO 1043 ISO 11469
Rheological properties	dry/cond.		
Viscosity number Moulding shrinkage range, parallel Moulding shrinkage range, normal	140/* 0.5 - 0.8 1 - 1.3	cm³/g % %	ISO 307, 1628 ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus Tensile stress at break, 5mm/min Tensile strain at break, 5mm/min Charpy impact strength, 23°C Charpy impact strength, -30°C Charpy notched impact strength, 23°C Charpy notched impact strength, -30°C Ball indentation hardness, H 961/30 Poisson's ratio [C]: Calculated	6100/- 105/- 3/- 40/- 34/- 5/- 4/- 165/- 0.35/- <sup>[C]</sup>	MPa MPa % kJ/m <sup>2</sup> kJ/m <sup>2</sup> kJ/m <sup>2</sup> MPa	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 179/1eU ISO 179/1eU ISO 179/1eA ISO 179/1eA ISO 2039-1
Thermal properties	dry/cond.		
Melting temperature, 10°C/min	260/*	°C	ISO 11357-1/-3
Flammability	dry/cond.		
Burning Behav. at thickness h Thickness tested	HB/* 3.2/*	class mm	IEC 60695-11-10 IEC 60695-11-10
Physical/Other properties	dry/cond.		
Humidity absorption, 2mm Water absorption, 2mm Density	1.5/* 5/* 1260/-	% % kg/m³	Sim. to ISO 62 Sim. to ISO 62 ISO 1183
Injection			
Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum Min. melt temperature Max. melt temperature Screw tangential speed Mold Temperature Optimum Min. mould temperature	2 ≤0.1 28 27 29 ≤0. 10	0 °C 4 h	

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Max. mould temperature

120 °C

## Characteristics

Processing Special characteristics Injection Moulding Heat stabilised or stable to heat

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

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