

Armamid PA6 GF 30 HS

30-% glass reinforced polyamide 6 for injection molding, heat-stabilized. Application is engine cooling fan shroud. It is designed for under the hood application (air fans, engine covers, air dryer housings, air fans for exhausting systems, intake manifold). The finished parts are:

- fully functional and completely undamaged at low temperature and after aging 3000h 150 °C; - good dimensional stability;
- no cracks or another defects after thermal cycles.

Available in natural and black colors.

Properties	Test method	Unit	Typical value
PHYSICAL-MECHANICAL			
Density	ISO 1183	kg/m ³	1360
Tensile Strength	ISO 527	MPa	175
Elongation at Break	ISO 527	%	5
Flexural Stress at maximum load	ISO 178	MPa	260
Tensile Modulus	ISO 527	MPa	9500
Flexural Modulus	ISO 178	MPa	8800
IMPACT			
Charpy Impact Strength at +23°C (unnotched)	ISO 179/1 eU	kJ/m ²	90
Charpy Impact Strength at +23°C (notched)	ISO 179/1 eU	kJ/m ²	16
THERMAL			
Melting Point	ISO 11357	°C	220
HDT, 1,8 MPa	ISO 75	°C	205
PROCESSING			
Melt Flow Rate (250 °C; 2,16 kg)	ISO 1133	g/10 min	8
Melt Temperature		°C	285
Mold Temperature		°C	90
TECHNICAL			
Moulding Shrinkage, specimens size 60*60*2 parallel normal	ISO 294-4	%	0,15 0,6

Comment:

Date of issue 19.05.2015

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