

Armamid PA6 GF 30-2TSM

A 30% glass fiber, thermo-stabilized polyamide 6. This material displays high mechanical and electrical properties; resilient to hydrocarbons (kerosene, gasoline, benzene etc.), mineral and synthetic oils, strong and weak alkali, weak acids. Designed for injection moulding of items and parts for a wide solutions range: construction, electronics, auto industry, machine engineering, aviation, household, transportation etc. Available in black color.

Properties	Test method	Unit	Typical value
MISCELLANEOUS			
Density	ISO 1183	kg/m ³	1360
Tensile Strength	ISO 527-1	MPa	160
Strain at Break	ISO 527-1	%	4.9
Flexural Stress at maximum load	ISO 178	MPa	230
Tensile Modulus	ISO 178	MPa	7950
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m ²	65
Charpy Impact Strength at -40°C (un-notched)	ISO 179-1	kJ/m ²	52
Charpy Impact Strength at +23°C (notched)	ISO 179-1	kJ/m ²	13
Charpy Impact Strength at -40°C (notched)	ISO 179-1	kJ/m ²	8
THERMAL			
Melting Point	ISO 3146	°C	218
Deflection Temperature at 0.45 MPa load	ISO 75	°C	217
Deflection Temperature at 1.8 MPa load	ISO 75	°C	204
PROCESSING			
Melt Flow Rate (250 °C; 2,16 kg)	ISO 1133	g/10 min	10
Melt Temperature		°C	260
Mold Temperature		°C	80
Moulding Shrinkage, parallel	ISO 294-4	%	0.1-0.2
Moulding Shrinkage, normal	ISO 294-4	%	0.6-0.9
ELECTROPHYSICAL			
Electrical strength	IEC 60243	kV/mm	21
Specific volume resistivity	IEC 60093	Ω·m	1.00+E11

*Comment:
All processing parameters as well as information on shrinkage specimen should be requested from the manufacturer.
If stored in a dry warehouse – dehydration not required*

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