

Armamid PA6-4T

A thermoplastic construction polyamide 6. This material displays high elasticity, impact strength, cold resilience and alternating stresses.

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 natural and grey color.

Properties	Test method	Unit	Typical value
MISCELLANEOUS			
Density	ISO 1183	kg/m ³	1080
Tensile Strength	ISO 527-1	MPa	50
Tensile Modulus	ISO 527-1	MPa	1700
Strain at Break	ISO 527-1	%	80
Flexural Stress at maximum load	ISO 178	MPa	75
Flexural Modulus	ISO 178	MPa	1900
Charpy Impact Strength at +23°C (notched)	ISO 179-1	kJ/m ²	30
Charpy Impact Strength at -40°C (notched)	ISO 179-1	kJ/m ²	23
THERMAL			
Melting Point	ISO 11357	°C	210
Deflection Temperature at 0.45 MPa load	ISO 75	°C	140
PROCESSING			
Melt Flow Rate (250 °C; 2,16 kg)	ISO 1133	g/10 min	4-12
Melt Temperature		°C	250
Mold Temperature		°C	60
Moulding Shrinkage	ISO 294-4	%	0.9-1.2
ELECTROPHYSICAL			
Electrical strength	IEC 60243	kV/mm	22
Specific volume resistivity	IEC 60093	Ω.m	1.00+E13

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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