

## Armamid PA6-2EX

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 color.

Properties	Test method	Unit	Typical value
<b>MISCELLANEOUS</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1070
Tensile Strength	ISO 527-1	MPa	40
Strain at Break	ISO 527-1	%	125
Tensile Modulus	ISO 178	MPa	1500
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m <sup>2</sup>	No break
Charpy Impact Strength at -40°C (un-notched)	ISO 179-1	kJ/m <sup>2</sup>	No break
Charpy Impact Strength at +23°C (notched)	ISO 179-1	kJ/m <sup>2</sup>	52
Charpy Impact Strength at -40°C (notched)	ISO 179-1	kJ/m <sup>2</sup>	30
<b>THERMAL</b>			
Melting Point	ISO 3146	°C	214
Deflection Temperature at 0.45 MPa load	ISO 75	°C	70
<b>PROCESSING</b>			
Melt Flow Rate (250 °C; 2,16 kg)	ISO 1133	g/10 min	1-4
Melt Temperature		°C	260
Mold Temperature		°C	60
Moulding Shrinkage, parallel	ISO 294-4	%	0.9-1.2
Moulding Shrinkage, normal	ISO 294-4	%	0.9-1.2
<b>ELECTROPHYSICAL</b>			
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*

*Date of issue 10.04.2017*

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