

Armamid PA6 MD 15-2

A 15-% mineral filled polyamide 6. Key exploitation advantages: functionality in a temperature range from -60 to +140 °C, thermal crushing resilience, high hydrocarbon resilience, excellent adhesion to surfaces and sealants, good appearance and scratch resistance.

Designed for injection molding of items and parts for a wide solution range: construction, friction proof, electronics and auto industry, machine engineering, aviation, household, transportation etc. Available in white, grey, blue and black colors.

Properties	Test method	Unit	Typical value
MISCELLANEOUS			
Density	ISO 1183	kg/m ³	1240
Tensile Strength	ISO 527-1	MPa	78
Strain at Break	ISO 527-1	%	10
Flexural Stress at maximum load	ISO 178	MPa	92
Tensile Modulus	ISO 178	MPa	3700
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m ²	70
Charpy Impact Strength at -40°C (un-notched)	ISO 179-1	kJ/m ²	60
Charpy Impact Strength at +23°C (notched)	ISO 179-1	kJ/m ²	6
THERMAL			
Melting Point	ISO 3146	°C	220
Deflection Temperature at 0.45 MPa load	ISO 75	°C	180
Deflection Temperature at 1.8 MPa load	ISO 75	°C	65
Coefficient of linear thermal expansion	ISO 11359-2	(10 ⁻⁵)K ⁻¹	4-5
Liquid absorption in water (23 °C, 24 h)	ISO 62	%	1.4
PROCESSING			
Melt Flow Rate (250 °C; 2.16 kg)	ISO 1133	g/10 min	20
Molding Shrinkage	ISO 294-4	%	0,6-0,8
Melt Temperature		°C	260
Mold Temperature		°C	80
ELECTROPHYSICAL			
Electrical Strength	IEC 60243	kV/mm	33

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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