

Armamid® PA6-6EX

PA6

R&P Polyplastic

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	0.5	g/10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
Molding shrinkage, normal	1.6	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Strength	54	MPa	ISO 527
Strain at break	80	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	20	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	215	°C	ISO 11357-1/-3
Temp. of deflection under load, 0.45 MPa	150	°C	ISO 75-1/-2
Electrical properties			
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Electric strength	22	kV/mm	IEC 60243-1
Other properties			
Density	1060	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Melt temperature	240	°C	-
Processing Recommendation Extrusion			
Melt temperature	240	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Black

Special Characteristics

High impact or impact modified

Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical

Regional Availability

Europe