

**Armamid® PA6 GF 40-1LS**

PA6-GF40

R&amp;P Polyplastic

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	9	g/10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	185	MPa	ISO 527
Strain at break	5	%	ISO 527
Charpy impact strength, +23°C	75	kJ/m <sup>2</sup>	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	218	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	205	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Electric strength	23	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	1450	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	260	°C	-
Mold temperature	80	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Light stabilized or stable to light

**Delivery form**

Black

**Regional Availability**

Europe