

## Armamid PA6 GF 40-1LS

A 40% glass fibre, light stabilized polyamide 6. Available in black color.

Properties	Test method	Unit	Typical value
<b>MISCELLANEOUS</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1450
Tensile Strength	ISO 527-1	MPa	185
Strain at Break	ISO 527-1	%	5
Flexural Stress at maximum load	ISO 178	MPa	265
Tensile Modulus	ISO 178	MPa	10500
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m <sup>2</sup>	75
Charpy Impact Strength at -40°C (un-notched)	ISO 179-1	kJ/m <sup>2</sup>	50
<b>THERMAL</b>			
Melting Point	ISO 3146	°C	218
Deflection Temperature at 1.8 MPa load	ISO 75	°C	205
<b>PROCESSING</b>			
Melt Flow Rate (250 °C; 2,16 kg)	ISO 1133	g/10 min	9
Melt Temperature		°C	260
Mold Temperature		°C	80
Moulding Shrinkage, parallel	ISO 294-4	%	0.1-0.2
Moulding Shrinkage, normal	ISO 294-4	%	0.6-0.8
<b>ELECTROPHYSICAL</b>			
Electrical strength	IEC 60243	kV/mm	23
Specific volume resistivity	IEC 60093	Ω·m	1.00+E13
<b>FLAMMABILITY</b>			
Temperature resistance, hot wire ignition	IEC 60695-2-10	°C	650

*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*

*The information in this technical description is for reference purposes only. It can be considered as the basis for determining whether material is acceptable for specific applications. Because it is not possible to anticipate all applications of materials and operating conditions, POLYPLASTIC makes no warranty and assumes no liability for the use of the information specified in the catalog. This information may be changed without notice.*