

## Armlen PP GF 30-1EX

A 30% glass fiber, extrusion, random-static polypropylene copolymer.

Properties	Test method	Unit	Typical value
<b>MISCELLANEOUS</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1140
Tensile Strength	ISO 527-1	MPa	64
Strain at Break	ISO 527-1	%	7.4
Flexural Stress at maximum load	ISO 178	MPa	104
Tensile Modulus	ISO 178	MPa	5200
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m <sup>2</sup>	70
Charpy Impact Strength at -40°C (un-notched)	ISO 179-1	kJ/m <sup>2</sup>	55
Charpy Impact Strength at +23°C (notched)	ISO 179-1	kJ/m <sup>2</sup>	21
Charpy Impact Strength at -40°C (notched)	ISO 179-1	kJ/m <sup>2</sup>	9
<b>THERMAL</b>			
Melting Point	ISO 11357	°C	145
Deflection Temperature at 1.8 MPa load	ISO 75	°C	125
Coefficient of linear thermal expansion	ISO 11359-2	(10 <sup>-5</sup> )K <sup>-1</sup>	3
<b>PROCESSING</b>			
Melt Flow Rate (250 °C; 2,16 kg)	ISO 1133	g/10 min	0.3-1.2
Melt Temperature		°C	230
Moulding Shrinkage, parallel	ISO 294-4	%	0.2-0.4
Moulding Shrinkage, normal	ISO 294-4	%	0.6-0.9

*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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