

Armlen PP GF 40-3

A 40% glass fiber, polypropylene. This material displays high mechanical, thermophysical and dielectric properties; to nonpolar solvents and rigid environments (kerosene, gasoline, benzene etc.) and alkali and acids. Designed for injection moulding of items and parts for a wide solutions range: construction, electronics, auto industry, machine engineering, aviation, fire safety equipment, household, transportation etc.

Properties	Test method	Unit	Typical value
MISCELLANEOUS			
Density	ISO 1183	kg/m ³	1220
Tensile Strength	ISO 527-1	MPa	100
Strain at Break	ISO 527-1	%	3,6
Tensile Modulus	ISO 178	MPa	8000
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m ²	52
THERMAL			
Melting Point	ISO 11357	°C	162
Deflection Temperature at 1.8 MPa load	ISO 75	°C	147
PROCESSING			
Melt Flow Rate (230 °C; 2,16 kg)	ISO 1133	g/10 min	5
Melt Temperature		°C	240
Mold Temperature		°C	60
Moulding Shrinkage,	ISO 294-4	%	0,2-0,6

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 15.07.2024

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.