

Armlen PP TD 40-5

A 40% mineral filled polypropylene, modified.

Designed for injection moulding and extrusion of various items and parts for construction, electrical tools, machine engineering, household appliances, transportation, camping equipment and etc.

Properties	Test method	Unit	Typical value
MISCELLANEOUS			
Density	ISO 1183	kg/m ³	1220
Strain at Break	ISO 527	%	6
Flexural Stress at maximum load	ISO 178	MPa	47
Flexural Modulus	ISO 178	MPa	3700
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m ²	10
Charpy Impact Strength at +23°C (notched)	ISO 179-1	kJ/m ²	3
THERMAL			
Melting Point	ISO 11357	°C	162
Deflection Temperature at 0.45 MPa load	ISO 75	°C	123
Deflection Temperature at 1.8 MPa load	ISO 75	°C	75
PROCESSING			
Melt Flow Rate (230 °C; 2,16 kg)	ISO 1133	g/10 min	15-20
Melt Temperature		°C	235
Mold Temperature		°C	60
Moulding Shrinkage	ISO 294-4	%	0,8-1,0

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 29.08.2023

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.