

Armlen PP MF 40-1

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.

Available in natural, brown, gray and black colors.

Properties	Test method	Unit	Typical value
MISCELLANEOUS			
Density	ISO 1183	kg/m ³	1250
Tensile Strength	ISO 527-1	MPa	30
Strain at Break	ISO 527-1	%	6
Flexural Stress at maximum load	ISO 178	MPa	47
Tensile Modulus	ISO 178	MPa	3700
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m ²	16
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
Coefficient of linear thermal expansion	ISO 11359-2	(10 ⁻⁶)K ⁻¹	60
PROCESSING			
Melt Flow Rate (250 °C; 2,16 kg)	ISO 1133	g/10 min	8-12
Melt Temperature		°C	235
Mold Temperature		°C	60
Moulding Shrinkage	ISO 294-4	%	0.6-0.8

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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