

Armlen PP GF 30-5HS

A 30% glass fiber, hydrolysis resistant polypropylene.

Designed for injection moulding manufacture of various construction (front-end) parts and items.

Available in black color.

Properties	Test Method	Unit	Typical value
MISCELLANEOUS			
Density	ISO 1183	kg/m ³	1150
Tensile Strength	ISO 527-1	MPa	89
Strain at Break	ISO 527-1	%	4
Flexural Stress at maximum load	ISO 178	MPa	125
Flexural Modulus	ISO 178	MPa	5800
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m ²	56
Charpy Impact Strength at -45°C (un-notched)	ISO 179-1	kJ/m ²	53
Charpy Impact Strength at +23°C (notched)	ISO 179-1	kJ/m ²	12
THERMAL			
Melting Point	ISO 11357	°C	162
Deflection Temperature at 1.8 MPa load	ISO 75	°C	150
PROCESSING			
Melt Flow Rate (230 °C; 2,16 kg)	ISO 1133	g/10 min	6
Melt Temperature		°C	245
Mold Temperature		°C	60
Moulding Shrinkage, parallel	ISO 294-4	%	0,2-0,4
Moulding Shrinkage, normal	ISO 294-4	%	0,5-0,7

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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