Armlen PP GF 10-1HS

A 10% glass fiber, hydrolysis resistant polypropylene. This material displays transperancy.
Exploitation benefits: resistance in hot ethylene-glycol-based antifreeze fumes, capability to thermal and vibration welding.
Designed for injection moulding manufacture of various items.
Available in natural color.

Properties	Test method	Unit	Typical value
MISCELLANEOUS			
Density	ISO 1183	kg/m^3	980
Tensile Strength	ISO 527-1	MPa	61
Strain at Break	ISO 527-1	%	5
Flexural Stress at maximum load	ISO 178	MPa	79
Tensile Modulus	ISO 178	MPa	2700
Charpy Impact Strength at +23°C (un-notched)	ISO 179-1	kJ/m^2	37
Charpy Impact Strength at +23°C (notched)	ISO 179-1	kJ/m^2	8
Charpy Impact Strength at -40°C (un-notched)	ISO 179-1	kJ/m^2	20
Charpy Impact Strength at -40°C (notched)	ISO 179-1	kJ/m^2	6
THERMAL			
Melting Point	ISO 11357	°C	162
Deflection Temperature at 1.8 MPa load	ISO 75	°C	120
PROCESSING			
Melt Flow Rate (250 °C; 2,16 kg)	ISO 1133	g/10 min	9
Melt Temperature		°C	240
Mold Temperature		°C	60
Moulding Shrinkage, parallel	ISO 294-4	%	0.4-0.6
Moulding Shrinkage, normal	ISO 294-4	%	0.7-1.0

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

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