

# Technical Datasheet

Material Type	PP	Trademark	Grade Name
Feature		<ul style="list-style-type: none"> <li>Long Glass Fiber Reinforced , Cutting Length 10-12mm</li> </ul>	<b>PP A422-LG50</b>
Material Standard		<ul style="list-style-type: none"> <li>XXXXXX</li> </ul>	
Availability		<ul style="list-style-type: none"> <li>Asian-Pacific, America</li> </ul>	
Processing method		<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>	
Appearance		<ul style="list-style-type: none"> <li>Color is Optional</li> </ul>	
Applications		<ul style="list-style-type: none"> <li>Automotive and Engineering parts</li> </ul>	

## General Properties

No.	Properties	Unit	Typical Value	Method	Test condition
1	Filler Content	%	50	ISO 3451-1, -4	
2	Density	g/mL	1.34	ISO 1183	23 °C
3	Material Shrinkage	%	0.1-0.2	ISO 294	23 °C, 48h
4	Tensile Stress	MPa	135	ISO 527	5 mm/mm
5	Tensile Strain, Break	%	2	ISO 527	5 mm/mm
6	Tensile Modulus	MPa	11,500	ISO 527	1mm/min
7	Flexural Strength	MPa	200	ISO 178	2 mm/mm
8	Flexural Modulus	MPa	9,500	ISO 178	2 mm/mm
9	Unnotched Impact Strength	kJ/m <sup>2</sup>	60	ISO 179	23 °C
10	Notched Impact Strength	kJ/m <sup>2</sup>	22	ISO 179	23 °C
11	Notched Impact Strength	kJ/m <sup>2</sup>	25	ISO 179	-40°C
12	Heat Deflection Temperature	°C	162	ISO 75	1.8 MPa
13	Flammability	mm/min	40	ISO 3795	3mm

## Processing Conditions

Drying condition	90-110 °C, 2-4 h
Molding Temp.	250 - 270 °C (F), 240 - 260 °C (M), 230 - 250 °C (B)
Melt Temp.	250 - 270 °C
Mold Temp.	40 - 80 °C
Screw Speed	20 - 70 rpm
Injection Pressure	40-110 MPa
Back Pressure	As low as possible

**Notes:** This technical data in the product brochures are typical test results for reference, and should not be defined as minimum value.