

# Technical Datasheet

Material Type	PP	Trademark	Grade Name	A422-LG20ZE
Feature		<ul style="list-style-type: none"> <li>Long Glass Fiber Reinforced , Cutting Length 10-12mm</li> </ul>		
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	%	20	ISO 3451-1, -4	
2	Density	g/mL	1.04	ISO 1183	23 °C
3	Mold Shrinkage	%	0.15-0.35	ISO 294	23°C, 48h
4	Tensile Stress	MPa	90	ISO 527	5 mm/mm
5	Tensile Strain, Break	%	3	ISO 527	5 mm/mm
6	Flexural Strength	MPa	120	ISO 178	2 mm/mm
7	Flexural Modulus	MPa	4,900	ISO 178	2 mm/mm
8	Notched Impact Strength	kJ/m <sup>2</sup>	17	ISO 179	23 °C
9	Heat Deflection Temperature	°C	125	ISO 75	1.8 MPa
10	Flammability	mm/min	25	ISO 3795	3mm

## Processing Conditions

Drying condition	90-105 °C, 3-5 h
Molding Temp.	230 - 250 °C (F), 230 - 250 °C (M), 210 - 230 °C (B)
Melt Temp.	230 - 250 °C
Mold Temp.	40 - 70 °C
Screw Speed	20 - 70 rpm
Injection Pressure	70 - 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.