

Technical Datasheet

Material Type	PP	Trademark	Grade Name	PP A422-LG20
Feature		<ul style="list-style-type: none"> Long Glass Fiber Reinforced , Cutting Length 10-12mm 		
Material Standard		<ul style="list-style-type: none"> XXXXXX 		
Availability		<ul style="list-style-type: none"> Asian-Pacific, America 		
Processing method		<ul style="list-style-type: none"> Injection Molding 		
Appearance		<ul style="list-style-type: none"> Color is Optional 		
Applications		<ul style="list-style-type: none"> Automotive and Engineering parts 		

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	80	ISO 527	5 mm/mm
5	Tensile Strain, Break	%	2.8	ISO 527	5 mm/mm
6	Tensile Modulus	MPa	5,100	ISO 527	1mm/min
7	Flexural Strength	MPa	120	ISO 178	2 mm/mm
8	Flexural Modulus	MPa	4,500	ISO 178	2 mm/mm
9	Unnotched Impact Strength	kJ/m ²	50	ISO 179	23 °C
10	Notched Impact Strength	kJ/m ²	18	ISO 179	23 °C
11	Notched Impact Strength	kJ/m ²	20	ISO 179	-40°C
12	Heat Deflection Temperature	°C	158	ISO 75	1.8 MPa
13	Flammability	mm/min	30	ISO 3795	3mm

Processing Conditions

Drying condition	80-100 °C, 2-4 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	40 - 110 MPa
Back Pressure	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.