

Technical Datasheet

Material Type	PP	Trademark	Grade Name	PP A422-LG60
Feature		<ul style="list-style-type: none"> Long Glass Fiber Reinforced , Concentrate for dilution 		
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	%	60	ISO 3451-1, -4	
2	Density	g/mL	1.50	ISO 1183	23 °C
3	Mold Shrinkage	%	0.1-0.2	ISO 294	23 °C, 48h
4	Tensile Stress	MPa	125	ISO 527	5 mm/mm
5	Tensile Strain, Break	%	1.0	ISO 527	5 mm/mm
6	Tensile Modulus	MPa	17,000	ISO 527	1mm/min
7	Flexural Strength	MPa	190	ISO 178	2 mm/mm
8	Flexural Modulus	MPa	16,000	ISO 178	2 mm/mm
9	Unnotched Impact Strength	kJ/m ²	50	ISO 179	23 °C
10	Notched Impact Strength	kJ/m ²	25	ISO 179	23 °C
11	Heat Deflection Temperature	°C	162	ISO 75	1.8 MPa

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 - 280 °C
Mold Temp.	40 - 80 °C
Screw Speed	20 - 70 rpm
Injection Pressure	40 - 130 MPa
Back Pressure	0.1 – 0.5 MPa

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