

Technical Datasheet

Material Type	PP	Trademark	Grade Name	PP A422-LG35
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	%	35	ISO 3451-1, -4	
2	Density	g/mL	1.17	ISO 1183	23 °C
3	Mold Shrinkage	°C	0.1-0.3	ISO 294	23 °C, 48h
4	Tensile Stress	MPa	120	ISO 527	5 mm/mm
5	Tensile Strain, Break	%	2.5	ISO 527	5 mm/mm
6	Tensile Modulus	MPa	7,600	ISO 527	1mm/min
7	Flexural Strength	MPa	160	ISO 178	2 mm/mm
8	Flexural Modulus	MPa	7,200	ISO 178	2 mm/mm
9	Unnotched Impact Strength	kJ/m ²	60	ISO 179	23 °C
10	Notched Impact Strength	kJ/m ²	28	ISO 179	23 °C
11	HDT	°C	160	ISO 75	1.8MPa
12	Flammability	mm/min	25	ISO 3795	3mm

Processing Conditions

Drying condition	90-110 °C, 2-4 h
Molding Temp.	240 - 260 °C (F), 240 - 260 °C (M), 220 - 240 °C (B)
Mold Temp.	40 - 70 °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.