

Technical Datasheet

Material Type	PP	Trademark	Expond®	Grade Name	A422-LG20RMX
Feature					<ul style="list-style-type: none"> 20% Long Glass Fiber Reinforced Polypropylene Blended product of PP A422-LG60 with neat PP Cutting Length of 10-13 mm Contains 67% of recycled Polypropylene
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 Interior and Exterior Parts

General Properties

No.	Properties	Unit	Typical Value	Method	Test condition
1	Filler Content	%	20	ISO 3451-1, -4	650°C
2	Density	g/mL	1.06	ISO 1183	23 °C
3	Tensile Strength	MPa	71	ISO 527	5 mm/mm
4	Tensile Elongation	%	2.1	ISO 527	5 mm/mm
5	Tensile Modulus	MPa	4,900	ISO 527	1mm/min
6	Flexural Strength	MPa	110	ISO 178	2 mm/mm
7	Flexural Modulus	MPa	4,300	ISO 178	2 mm/mm
8	Notched Charpy Impact	kJ/m ²	9	ISO 179	23 °C
9	UnNotched Charpy Impact	kJ/m ²	72	ISO 179	23 °C
10	Heat Deflection Temperature	°C	150	ISO 75	1.8 MPa
11	Material Shrinkage	%	0.15-0.35	Pret Mo	23 °C, 48h

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
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.