Technical Datasheet

Material Type PP	**Trademark** Expond®	**Grade Name** A422-LG40RMX

Feature	• 40% Long Glass Fiber Reinforced Polypropylene • Blended product of PP A422-LG60 with neat PP • Cutting Length of 10-13 mm • Contains 33% of recycled Polypropylene
Availability	• Asian-Pacific, America
Processing method	• Injection Molding
Appearance	• Color is Optional
Applications	• Automotive Interior and Exterior Parts

General Properties

No.	Properties	Unit	Typical Value	Method	Test condition
1	Filler Content	%	40	ISO 3451-1, -4	650℃
2	Density	g/mL	1.26	ISO 1183	23 ℃
3	Tensile Strength	MPa	100	ISO 527	5 mm/mm
4	Tensile Elongation	%	1.7	ISO 527	5 mm/mm
5	Tensile Modulus	MPa	8,900	ISO 527	1mm/min
6	Flexural Strength	MPa	155	ISO 178	2 mm/mm
7	Flexural Modulus	MPa	8,400	ISO 178	2 mm/mm
8	Notched Charpy Impact	kJ/m^2	14	ISO 179	23 ℃
9	UnNotched Charpy Impact	kJ/m2	58	ISO 179	23 ℃
10	Heat Deflection Temperature	℃	155	ISO 75	1.8 MPa
11	Material Shrinkage	%	0.15-0.35	Pret Mo	23 ℃, 48h

Processing Conditions

Drying condition	80-100 ℃, 2-4 h
Molding Temp.	230 - 250 ℃ (F)， 230 - 250 ℃ (M)，210 - 230 ℃ (B)
Melt Temp.	230 - 250 ℃
Mold Temp.	40 - 70 ℃
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.

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