

Technical Datasheet

Material Type	PP	Trademark	Ecolene™	Grade Name	PP8100-WBK
Feature					<ul style="list-style-type: none"> Recycled PP , High Impact Copolymer , UV Stabilized
Material Standard					<ul style="list-style-type: none"> XXXXXX
Availability					<ul style="list-style-type: none"> America
Processing method					<ul style="list-style-type: none"> Injection Molding
Appearance					<ul style="list-style-type: none"> Black
Applications					<ul style="list-style-type: none"> Automotive Exterior

General Properties

No.	Properties	Unit	Typical Value	Method	Test condition
1	Filler Content	%	11	ISO 3451-1, -4	650°C
2	Density	g/mL	0.96	ISO 1183	23 °C
3	Melt Flow	g/10 min	17	ISO 1133	230 °C/2.16kg
4	Tensile Strength, Yield	MPa	18	ISO 527	50 mm/mm
5	Tensile Modulus	MPa	1,200	ISO 527	1 mm/min
6	Flexural Strength	MPa	20	ISO 178	2 mm/mm
7	Notched Charpy Impact	kJ/m ²	41	ISO 179	23 °C
8	Heat Deflection Temperature	°C	50	ISO 75	1.8 MPa

Processing Conditions

Drying condition	100 °C, *2 h
Molding Temp.	220 - 250 °C (F), 210 - 240 °C (M), 190 - 220 °C (B)
Mold Temp.	50 - 90 °C
Screw Speed	Low to Medium
Injection Pressure	80 - 130 MPa
Back Pressure	0.30 – 1.00 MPa

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