

# Technical Datasheet

<b>Material Type</b> <b>Homopolymer</b>	<b>Trademark</b> <b>Ecolene™</b>	<b>Grade Name</b> <b>PP8150-BK1</b>
Feature	<ul style="list-style-type: none"> <li>50% Glass-Reinforced Polypropylene Resin (Homopolymer)</li> </ul>	
Material Standard	<ul style="list-style-type: none"> <li>XXXXXX</li> </ul>	
Availability	<ul style="list-style-type: none"> <li>Asian-Pacific, America</li> </ul>	
Processing method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>	
Appearance	<ul style="list-style-type: none"> <li>Color is Optional</li> </ul>	
Applications	<ul style="list-style-type: none"> <li>Automotive and Engineering parts</li> </ul>	

## General Properties

No.	Properties	Unit	Typical Value	Method	Test condition
1	Filler Content	%	50	ISO 3451-1, -4	
2	Density	g/mL	1.36	ISO 1183	23 °C
3	Melt Point	°C	160	ISO 3146	DSC
4	Tensile Strength	MPa	112	ISO 527	5 mm/mm
5	Tensile Elongation	%	3.0	ISO 527	5 mm/mm
6	Flexural Strength	MPa	163	ISO 178	2 mm/mm
7	Flexural Modulus	MPa	10,694	ISO 178	2 mm/mm
8	Charpy Impact notched	kJ/m <sup>2</sup>	10	ISO 180	23 °C
9	Heat Deflection Temperature	°C	144	ISO 75	1.8 MPa

## Processing Conditions

Drying condition	70 °C, 1-3 h
Molding Temp.	220 - 250 °C (F), 220 - 240 °C (M), 220 - 240 °C (B)
Mold Temp.	30 - 70 °C
Screw Speed	30 - 100 rpm
Injection Pressure	70 - 100 MPa
Back Pressure	0.30 – 1.40 MPa

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