

Technical Datasheet

Material Type Homopolymer	Trademark Ecolene™	Grade Name PP8000-BK1
Feature	<ul style="list-style-type: none"> Unfilled Polypropylene Resin (Homopolymer) 	
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	Density	g/mL	0.95	ISO 1183	23 °C
2	Melt Point	°C	155	ISO 3146	DSC
3	Tensile Strength	MPa	31	ISO 527	5 mm/mm
4	Tensile Elongation	%	11	ISO 527	5 mm/mm
5	Flexural Strength	MPa	61	ISO 178	2 mm/mm
6	Flexural Modulus	MPa	1,319	ISO 178	2 mm/mm
7	Charpy Impact notched	kJ/m ²	2.6	ISO 180	23 °C
8	Heat Deflection Temperature	°C	53	ISO 75	1.8 MPa

Processing Conditions

Drying condition	70 °C, 1-3 h
Molding Temp.	200 - 230 °C (F), 200 - 220 °C (M), 200 - 220 °C (B)
Mold Temp.	30 - 50 °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.