



Shanghai PRET Composite Co., Ltd.

PRET Advanced Materials, LLC.

Technical Datasheet

Trade Name Ecolene	Material Type PP	Grade Name PP8120T-BK1
Feature	<ul style="list-style-type: none">20% talc filled recycle homo-PP	
Material Standard		
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	Automotive	

General Properties

No.	Properties	Unit	Result	Method	Test condition
1	Density	g/cm ³	1.07	ISO 1183-1	23 °C
2	Melt Flow	g/10min	15	ISO 1133-1	230 °C/2.16 kg
3	Heat Deflection Temp	°C	60	ISO 75-2	1.8 MPa
4	Tensile Modulus	MPa	2400	ISO 527-1, -2	1 mm/min
5	Tensile Strength	MPa	27.0	ISO 527-1, -2	50 mm/min
6	Elongation	%	15	ISO 527-1, -2	50 mm/min
7	Flexural Strength	MPa	40	ISO 178	2 mm/min
8	Notched Izod Impact Strength	kJ/m ²	2.5	ISO 180	23 °C

Processing Conditions

Drying condition	<ul style="list-style-type: none">100 °C*2h
Injection Temp.	<ul style="list-style-type: none">250 – 220 °C (F), 240 – 210 °C (M), 220 – 190 °C (B)
Screw Speed	<ul style="list-style-type: none">Low to Medium
Injection Press.	<ul style="list-style-type: none">80 – 130 MPa
Back Press.	<ul style="list-style-type: none">0.30 – 1.00 MPa
Mold Temp.	<ul style="list-style-type: none">50 – 90 °C

Notes, These technical data in the product brochures are typical test results for reference,