

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	19000	MPa	ISO 527
Yield stress	230	MPa	ISO 527
Strain at break	3.8	%	ISO 527
Flexural modulus, 23°C	17000	MPa	ISO 178
Izod impact strength, +23°C	95	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	20	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	213	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	222	°C	ISO 75-1/-2
<b>ASTM Data</b>			
Glass Transition Temperature	55	°C	ASTM E 1356
<b>Other properties</b>			
Density	1550	kg/m <sup>3</sup>	ISO 1183
Biobased content	27	%	-
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 12	h	-
Processing humidity	≤0.09	%	-
Melt temperature	280 - 330	°C	-
Mold temperature	80 - 130	°C	-
Zone 1	265 - 300	°C	-
Zone 2	280 - 330	°C	-
Zone 3	280 - 330	°C	-

## Characteristics

### Processing

Injection Molding

### Delivery form

Pellets, Black

### Special Characteristics

Platable, High impact or impact modified

### Features

Low Warpage

### Certifications

Contains renewable resources

### Applications

Electrical and Electronical

### Regional Availability

North America, Europe, Asia Pacific