

**Product Texts**

Metal replacement.

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>Other Standards<sup>[5]</sup></b>			
Molding shrinkage, parallel	0.1	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	26000	MPa	ISO 527
Yield stress	250	MPa	ISO 527
Strain at break	1.3	%	ISO 527
Flexural modulus, 23°C	23000	MPa	ISO 178
Flexural strength	360	MPa	ISO 178
Charpy impact strength, +23°C	36	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	3.6	kJ/m <sup>2</sup>	ISO 179/1eA
<b>ASTM Data</b>			
Izod Impact notched, 1/8 in	59	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	450	J/m	ASTM D 256

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	230	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Oxygen index	23	%	ISO 4589-1/-2

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	600	-	IEC 60112
<b>Other Standards<sup>[5]</sup></b>			
Surface Resistivity	33000	Ohm	ASTM D 4496
Volume Resistivity	420000	Ohm*cm	ASTM D 4496

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**Other properties**

	Value	Unit	Test Standard
Density	1340	kg/m <sup>3</sup>	ISO 1183
Recycled resin content	29	%	-
<b>Other Standards<sup>[5]</sup></b>			
Humidity absorption	2	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

**Processing Recommendation Injection Molding**

	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	0.5 - 1.5	h	-
Melt temperature	280	°C	-
Mold temperature	120 - 140	°C	-
Zone 1	250 - 260	°C	-
Zone 2	260 - 290	°C	-

**Characteristics****Processing**

Injection Molding

**Certifications**

Recycled Resin Content, Post-Industrial Recyclate

**Delivery form**

Pellets, Black

**Features**

Creep Resistance, High Gloss

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa