

**Pocan® ECOB3233HRLT 904040**  
PBT-GF30

Envalior

Injection Molding, 30% Glass Reinforced, Hydrolysis resistant, Laser Weldable, Laser Transparent Black, Recycled Content

ISO 1043 PBT-GF30

Rheological properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	10000	MPa	ISO 527
Stress at Break	140	MPa	ISO 527
Strain at Break	2.8	%	ISO 527
Impact Strength (Charpy), +23°C	60	kJ/m <sup>2</sup>	ISO 179/1eU
Puncture energy, +23°C	2.3	J	ISO 6603-2

Thermal Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting Temperature (10°C/min)	225	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	190	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	215	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	20	E-6/K	ISO 11359-1/-2
Coeff. of Linear Therm. Expansion, normal	100	E-6/K	ISO 11359-1/-2

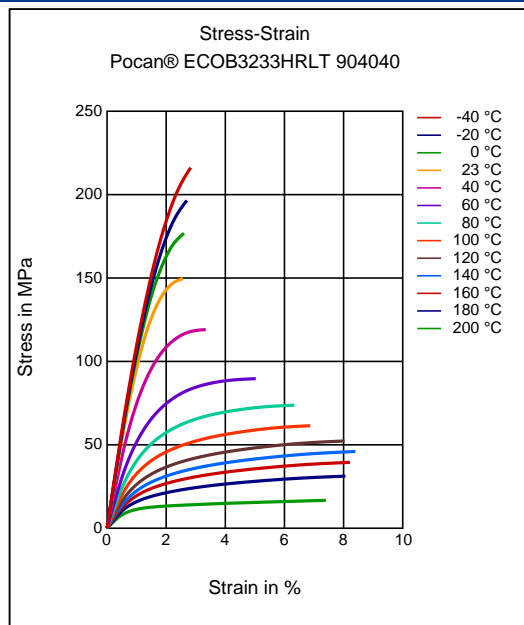
Electrical Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	275	-	IEC 60112

Other Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Density	1520	kg/m <sup>3</sup>	ISO 1183

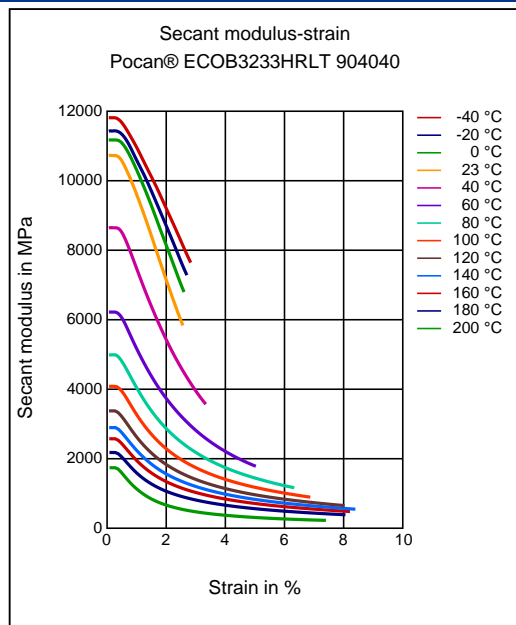
Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
Injection Molding, melt temperature	260	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

**Diagrams**

**Stress-strain**



**Secant modulus-strain**



**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets, Black

**Special Characteristics**

Heat aging stabilized

**Features**

Weldable

**Chemical Resistance**

Hydrolysis

**Certifications**

Recycled Resin Content

**Injection Molding**

**PREPROCESSING**

Residual moisture content: 0.00 - 0.02 %

Drying temperature circulating air dryer: 120 °C

Drying time circulating air dryer: 4 - 8 h

**PROCESSING**

Melt temperature (Tmin - Tmax): 250 - 270 °C

Mold temperature: 60 - 100 °C