

# PULSE™ GX90 E30 TP7702148

## PC/ABS Engineering Resin

### Overview

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PULSE™ GX90 E30 TP7702148 PC/ABS Engineering Resin is a PC/ABS blend which contains 30% recycling content according to ISO14021 and provides the high quality and consistency level that PULSE™ GX products are known for.

It combines superior low temperature ductility and high-heat performance delivering high-end performance for automotive interior component applications. This grade is only available in standard black.

#### Benefits

- Contains 30% recycling content according to ISO14021
- Outstanding high-impact strength at low temperature and high Heat resistance equivalent to PULSE™ GX90

#### Applications

- Automotive interior and exterior parts

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.12 g/cm <sup>3</sup>	1.12 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	16 g/10 min	16 g/10 min	ISO 1133
Spiral Flow <sup>1</sup>	15.7 in	40.0 cm	
Molding Shrinkage	4.0E-3 to 7.0E-3 in/in	0.40 to 0.70 %	ISO 294-4
VOC Content	12.0 µg/g	12.0 µg/g	VDA 277
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	326000 psi	2250 MPa	ISO 527-1/1
Tensile Stress (Yield)	7250 psi	50.0 MPa	ISO 527-2/50
Tensile Strain (Break)	110 %	110 %	ISO 527-2/50
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	21 ft·lb/in <sup>2</sup>	45 kJ/m <sup>2</sup>	
73°F (23°C)	26 ft·lb/in <sup>2</sup>	55 kJ/m <sup>2</sup>	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	223 °F	106 °C	
Vicat Softening Temperature	262 °F	128 °C	ISO 306/B50
Injection	Nominal Value (English)	Nominal Value (SI)	
Drying Temperature	212 °F	100 °C	
Drying Time	4.0 hr	4.0 hr	
Processing (Melt) Temp	491 to 536 °F	255 to 280 °C	
Mold Temperature	140 to 176 °F	60 to 80 °C	