

# PULSE™ GX90

PC/ABS Engineering Resin

Trinseo

## Message:

PULSE GX90 Engineering Resin, is a PC/ABS blend which provides an outstanding low temperature impact performance in combination with easy flow and very high heat resistance. This resin is self colorable and provides low odor and VOC values which makes it especially suitable for the automotive interior use.

### Applications:

PULSE GX90 is used in a wide range of application where a balance of low temperature toughness, high heat distortion, and easy processing are required. Some examples are automotive instrument panel carrier and automotive interior/exterior trim.

General Information			
Features	Good Flow		
	Good Processability		
	Good Toughness		
	High Heat Resistance		
	Low Temperature Impact Resistance		
	Low to No Odor		
	Low VOC		
Uses	Automotive Applications		
	Automotive Interior Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183/B
Apparent Density	0.65	g/cm <sup>3</sup>	ISO 60
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	17	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (4.00 mm, Injection Molded)	2200	MPa	ISO 527-2/1
Tensile Stress (Yield, 4.00 mm, Injection Molded)	50.0	MPa	ISO 527-2/50
Tensile Strain (Break, 4.00 mm, Injection Molded)	110	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	55	kJ/m <sup>2</sup>	
23°C	55	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	106	°C	ISO 75-2/A

Vicat Softening Temperature	123	°C	ISO 306/B50
CLTE - Transverse (-30 to 80°C)	7.5E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Carbon Emission	9.00	µg/g	VDA 277
Injection	Nominal Value	Unit	
Processing (Melt) Temp	255 to 275	°C	
Mold Temperature	70.0 to 80.0	°C	

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#### Recommended distributors for this material

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