

## PULSE™ GX70 NAB PC/ABS Engineering Resin

### Overview

PULSE™ GX70 NAB is a PC/ABS blend, which provides an optimized balance of outstanding low temperature ductility, with low gloss, high heat resistance and easy flow. This resin provides low odor and VOC values, which make it especially suited for automotive interior applications. High flow and inherent low gloss, combined with excellent scratch resistance, produce exceptional part appearance and durability for molded in color applications.

#### Applications:

- Automotive interior trim components, including Instrument Panel Uppers, Center Stack & Cluster/HUD Bezels, Overhead & Floor Consoles, Pillars, Doors, and Video Player/Display Housings.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.11 g/cm <sup>3</sup>	1.11 g/cm <sup>3</sup>	ISO 1183/B
Apparent (Bulk) Density	0.64 g/cm <sup>3</sup>	0.64 g/cm <sup>3</sup>	ISO 60
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	18 g/10 min	18 g/10 min	ISO 1133
Spiral Flow <sup>1</sup>	22.0 in	56.0 cm	
Molding Shrinkage	4.0E-3 to 7.0E-3 in/in	0.40 to 0.70 %	ISO 294-4
VOC Content	9.00	9.00	VDA 277
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus (Injection Molded)	312000 psi	2150 MPa	ISO 527-2/1
Tensile Stress (Yield)	7110 psi	49.0 MPa	ISO 527-2/50
Tensile Strain (Break)	> 80 %	> 80 %	ISO 527-2/50
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	26 ft·lb/in <sup>2</sup>	55 kJ/m <sup>2</sup>	
73°F (23°C)	24 ft·lb/in <sup>2</sup>	50 kJ/m <sup>2</sup>	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	207 °F	97.0 °C	
Vicat Softening Temperature	243 °F	117 °C	ISO 306/B50
CLTE - Flow (-22 to 176°F (-30 to 80°C))	4.1E-5 in/in/°F	7.3E-5 cm/cm/°C	ISO 11359-2
Injection	Nominal Value (English)	Nominal Value (SI)	
Drying Temperature	221 °F	105 °C	
Drying Time	4.0 hr	4.0 hr	
Processing (Melt) Temp	500 to 554 °F	260 to 290 °C	
Mold Temperature	158 to 194 °F	70 to 90 °C	