

# PULSE™ GX70 NAB

PC/ABS Engineering Resin

Trinseo

## Message:

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.

General Information			
Features	Ductile		
	Durable		
	High Flow		
	High Heat Resistance		
	Low Gloss		
	Low to No Odor		
	Low VOC		
	Pleasing Surface Appearance		
	Scratch Resistant		
Uses	Automotive Applications		
	Automotive Interior Parts		
	Automotive Interior Trim		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm <sup>3</sup>	ISO 1183/B
Apparent Density	0.65	g/cm <sup>3</sup>	ISO 60
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/3.8 kg	3.0	g/10 min	
260°C/5.0 kg	17	g/10 min	
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (4.00 mm, Injection Molded)	2300	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield, 4.00 mm, Injection Molded	50.0	MPa	

Break, 4.00 mm, Injection Molded	45.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm, Injection Molded	4.0	%	
Break, 4.00 mm, Injection Molded	130	%	
Flexural Modulus <sup>1</sup> (4.00 mm, Injection Molded)	2500	MPa	ISO 178
Flexural Stress <sup>2</sup> (4.00 mm, Injection Molded)	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	45	kJ/m <sup>2</sup>	
23°C	50	kJ/m <sup>2</sup>	
Notched Izod Impact Strength			ISO 180/A
-30°C	40	kJ/m <sup>2</sup>	
23°C	45	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	96.0	°C	ISO 75-2/A
Vicat Softening Temperature	116	°C	ISO 306/B50
CLTE			ISO 11359-2
Flow : -30 to 80°C	7.6E-5	cm/cm/°C	
Transverse : -30 to 80°C	7.8E-5	cm/cm/°C	
Flammability	Nominal Value	Unit	Test Method
Burning Rate (2.00 mm)	< 80	mm/min	FMVSS 302
Carbon Emission	10.0	µg/g	VDA 277
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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