

PULSE™ GX50 NAB

PC/ABS Engineering Resin

Trinseo

Message:

PULSE GX50 NA is a very low gloss appearance engineering resin which has exceptional impact strength even at low temperatures and has sufficient heat resistance for the majority of automotive interior components. This resin provides excellent flow, has low odor & VOC values and is self colorable. This material has superior low gloss performance over typical PC/ABS.

Applications: PULSE GX50 NAB is used in a wide range of applications where low temperature toughness and tailor made heat resistance is required.

General Information			
Features	Good Toughness		
	High Flow		
	High Heat Resistance		
	High Impact Resistance		
	Low Gloss		
	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	1.09	g/cm ³	ISO 1183/B
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2000	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	43.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	80	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	50	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	93.0	°C	ISO 75-2/A
Vicat Softening Temperature	109	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Carbon Emission	10.0	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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