PULSE™ 2000 EZ

PC/ABS Engineering Resin

Trinseo

PROSPECTOR®
www.ulprospector.com

Technical Data

Product Description

Overview

PULSE™ 2000EZ is a high-heat PC/ABS resin delivering optimized performance for automotive interior component applications.

Benefits

- Easy flow, reduced scrap, and faster cycle times, while enabling thin wall part design for mass reduction.
- High-impact strength even at low temperature
- High Heat resistance for demanding automotive interior components
- Consistent natural white color produces high quality part appearance when used with color concentrates (self coloring) or Trinseo Color Masterbatch Technology
- Low odor & VOC to meet all global Automotive OEM specifications

Applications:

- Mid (floor)consoles
- Instrument Panel components
- Door panel trim
- Pillars
- Storage / load floors / glove box

General

Material Status	• Commercial: Active		
Literature [1]	• Technical Datasheet		
Search for UL Yellow Card	• Trinseo • PULSE™		
Availability	• Asia Pacific	• Latin America	• North America
Features	• Good Processability • Good Thermal Stability	• Good Toughness • High Flow	• Low Temperature Impact Resistance
Uses	• Automotive Applications	• Automotive Instrument Panel	• Automotive Interior Trim
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Apparent (Bulk) Density	0.66	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	18	g/10 min	ISO 1133
Spiral Flow [3]	47.0	cm	
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2400	MPa	ISO 527-1/1
Tensile Stress (Yield)	51.0	MPa	ISO 527-2/50
Tensile Strain (Break)	120	%	ISO 527-2/50
Flexural Modulus [4]	2300	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	25	kJ/m²	
23°C	50	kJ/m²	

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Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	106	°C	
Vicat Softening Temperature	128	°C	ISO 306/B50
CLTE - Flow (-30 to 80°C)	7.5E-5	cm/cm/°C	ISO 11359-2

Injection	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	4.0	hr
Processing (Melt) Temp	255 to 290	°C
Mold Temperature	60 to 80	°C

Notes

[1] These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

[2] Typical properties: these are not to be construed as specifications.

[3] Melt Temperature: 260°C, Injection Pressure: 1.80E+3 bar

[4] 2.0 mm/min

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