

ENTE^CTEC



TRINSEO™



TRINSEO PULSE™ PC/ABS PRODUCT GUIDE

2/2/2023

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PULSE™ Engineering Resins combine PC and ABS with an ideal mix of mechanical, thermal, and rheological properties for use in both high-performance interior and exterior applications. PULSE™ PC/ABS offers excellent performance benefits including:

- Excellent high temperature resistance
- Excellent toughness, even at low temperature
- Excellent processability
- Excellent lot-to-lot consistency
- High quality
- Low odor and VOC
- Highly specified in automotive applications
- Suitable for secondary operations (painting, electroplating)



MARKETS & APPLICATIONS

PULSE™ PC/ABS is used in a wide variety of markets and applications including household appliances, consumer goods, telephones, automotive interior and exterior trim, white goods and electrical and computer equipment. PULSE™ PC/ABS is a high quality, highly consistent engineering resin that offers excellent processability and is easily colored at the molding machine.



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Grade	Density	Melt Flow Rate 260°C / 5 kg (g/10 min.)	HDT at 1.8 MPa Un-Annealed (°C)	Vicat Softening Temp. (°C)	Notched Charpy (KJ/m ²)	Tensile Stress at Yield (MPa)	Tensile Modulus (MPa)	Tensile Strain at Break (%)	Flexural Modulus (MPa)	Comments
	ISO 1183	ISO 1133	ISO 75-2/A	ISO 306/B50	ISO 179/1eA	ISO 527-2/50	ISO 527-1/1	ISO 527-2/50	ISO 178	
2000EZ	1.13	18.0	106	128	50	51	2400	120	2300	Easy Flow, High Heat, High Impact at Cold Temperature
2100LG	1.13	7.8	106	128	50	51	2500	120	2300	Low Gloss, Low Temperature Ductility
GX50	1.09	12.0	90	107	60	44	2000	80	---	Easy Flow, Medium Heat, Low Gloss, Low Density, Low Odor & VOC
GX70	1.11	18.0	98	117	55	49	2150	>80	---	Easy Flow, High Heat, Low Gloss, Low Density, Low Odor & VOC
GX90	1.12	17.0	106	123	55	50	2250	110	---	High Heat, Super Low Temperature Ductility, Low Odor & VOC
EXT100	1.13	7.5	108	121	55	54	2300	>80	2240	High Heat, High Impact, Painted & Electroplated Applications

INJECTION MOLDING PROCESSING CONDITIONS

Grade	Drying Temperature (°C)	Drying Time (Hrs.)	Melt Temperature Range (°C)	Mold Temperature Range (°C)
2000EZ	2000	4	255 to 290	60 to 80
2100LG	100	4	255 to 280	60 to 80
GX50	100	4	255 to 280	60 to 80
GX70	100	4	255 to 280	60 to 80
GX90	100	4	255 to 280	60 to 80
EXT100	80 to 90	4	275 to 300	70 to 90

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