TRINSEO™

PULSE™ 220
PC/ABS Engineering Resin

Overview

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PULSE™ 220 is a middle heat, amorphous thermoplastic PC/ABS. PULSE™ 220 is delivering optimized performance for automotive interior component applications as well as exterior component applications.

Benefits

-Good flow, reduced scrap, and faster cycle time.
-High impact strength.
-Low odor & VOC.

Applications

-Middle consoles
-Instrument Panel components
-Door panel trims
-Pillars
-Storage & glove box.

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	1.11	g/cm³	1.11	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.0	g/10 min	3.0	g/10 min	ISO 1133
Molding Shrinkage	4.0E-3 to 7.0E-3	in/in	0.40 to 0.70	%	ISO 294-4
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Modulus	319000	psi	2200	MPa	ISO 527-1/1
Tensile Stress					ISO 527-2/50
Yield	7250	psi	50.0	MPa	
Break	6670	psi	46.0	MPa	
Tensile Strain					ISO 527-2/50
Yield	4.0	%	4.0	%	
Break	100	%	100	%	
Flexural Modulus [1]	326000	psi	2250	MPa	ISO 178
Impact	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Charpy Notched Impact Strength					ISO 179/1eA
-22°F (-30°C)	19	ft·lb/in²	40	kJ/m²	
73°F (23°C)	33	ft·lb/in²	70	kJ/m²	
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Deflection Temperature Under Load					ISO 75-2/A
264 psi (1.8 MPa), Unannealed	212	°F	100	°C	
Vicat Softening Temperature	248	°F	120	°C	ISO 306/B50

Injection	Nominal Value	(English)	Nominal Value	(SI)
Drying Temperature	212	°F	100	°C
Drying Time	4.0	hr	4.0	hr
Processing (Melt) Temp	491 to 536	°F	255 to 280	°C
Mold Temperature	140 to 176	°F	60 to 80	°C