TRINSEO™

PULSE™ B-270
PC/ABS Engineering Resin

Physical	Nominal Value (English)		Nominal Value (SI)		Test Method
Density	1.21	g/cm³	1.21	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.5	g/10 min	1.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	6.5E-3	in/in	0.65	%	ASTM D955
Water Absorption					ASTM D570
24 hr, 73°F (23°C)	0.050	%	0.050	%	
Equilibrium, 73°F (23°C) [1]	0.18	%	0.18	%	
Mechanical	**Nominal Value (English)**		**Nominal Value (SI)**		**Test Method**
Tensile Strength					ASTM D638
Yield	8690	psi	59.9	MPa	
Break	7450	psi	51.4	MPa	
Tensile Elongation (Break)	100	%	100	%	ASTM D638
Flexural Modulus	480000	psi	3310	MPa	ASTM D790
Flexural Strength (Yield)	14500	psi	100	MPa	ASTM D790
Impact	**Nominal Value (English)**		**Nominal Value (SI)**		**Test Method**
Notched Izod Impact					ASTM D256
-20°F (-29°C), 0.126 in (3.20 mm)	2.0	ft·lb/in	110	J/m	
73°F (23°C), 0.126 in (3.20 mm)	7.0	ft·lb/in	370	J/m	
Instrumented Dart Impact					ASTM D3763
-20°F (-29°C), 0.126 in (3.20 mm), Total Energy	500	in·lb	56.5	J	
73°F (23°C), 0.126 in (3.20 mm), Total Energy	500	in·lb	56.5	J	
Thermal	**Nominal Value (English)**		**Nominal Value (SI)**		**Test Method**
Deflection Temperature Under Load					ASTM D648
66 psi (0.45 MPa), Unannealed, 0.126 in (3.20 mm)	273	°F	134	°C	
CLTE - Transverse	3.5E-5	in/in/°F	6.3E-5	cm/cm/°C	ASTM D696

Injection	Nominal Value (English)		Nominal Value (SI)	
Drying Temperature	210	°F	99	°C
Drying Time	4.0	hr	4.0	hr
Processing (Melt) Temp	530 to 560	°F	277 to 293	°C
Mold Temperature	160 to 200	°F	71 to 93	°C

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

[1] Test performed on parts.

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