

PULSE™ B-270
PC/ABS Engineering Resin

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.21 g/cm ³	1.21 g/cm ³	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	