

PULSE™ 2300 PT PC/ABS Engineering Resin

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.14 g/cm ³	1.14 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.0 g/10 min	1.0 g/10 min	ASTM D1238
Molding Shrinkage - Flow	6.0E-3 in/in	0.60 %	ASTM D955
Water Absorption (24 hr, 73°F (23°C))	0.15 %	0.15 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength			ASTM D638
Yield	7500 psi	51.7 MPa	
Break	7000 psi	48.3 MPa	
Tensile Elongation (Break)	80 %	80 %	ASTM D638
Flexural Modulus	325000 psi	2240 MPa	ASTM D790
Flexural Strength	12000 psi	82.7 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
-20°F (-29°C)	9.0 ft-lb/in	480 J/m	
73°F (23°C)	12 ft-lb/in	640 J/m	
Instrumented Dart Impact ^{1, 2}			ASTM D3763
-20°F (-29°C), Total Energy	530 in-lb	59.9 J	
73°F (23°C), Total Energy	480 in-lb	54.2 J	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	256 °F	124 °C	
264 psi (1.8 MPa), Unannealed	225 °F	107 °C	
CLTE - Flow (-20 to 212°F (-29 to 100°C))	4.0E-5 in/in/°F	7.2E-5 cm/cm/°C	ASTM D696

Notes

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

¹ 7.33 ft/sec (2.24 m/sec)

² 3 in. support, 0.5 in. dart



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