

PULSE™ EXT 200 PC/ABS Engineering Resin

Overview High Heat, High Impact PC/ABS resin for injection molded automotive plating and painting trim applications.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.10 g/cm ³	1.10 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	2.5 g/10 min	2.5 g/10 min	ASTM D1238 ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	6900 psi	47.6 MPa	ASTM D638 ¹
Tensile Elongation (Break)	180 %	180 %	ASTM D638 ¹
Flexural Modulus	316000 psi	2180 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179
-20°F (-29°C)	23 ft·lb/in ²	49 kJ/m ²	
73°F (23°C)	21 ft·lb/in ²	44 kJ/m ²	
Notched Izod Impact			ASTM D256
-30°F (-34°C)	9.6 ft·lb/in	510 J/m	
73°F (23°C)	11 ft·lb/in	600 J/m	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	240 °F	116 °C	
264 psi (1.8 MPa), Unannealed	200 °F	93.3 °C	
Vicat Softening Temperature	232 °F	111 °C	ASTM D1525 ²

Notes

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

¹ 2.0 in/min (50 mm/min)

² Rate A (50°C/h), Loading 2 (50 N)

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