

Network Polymers Pc 1900

Polycarbonate

LyondellBasell Industries

Engineering Plastics

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.20	1.20 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (300°C/1.2 Kg)	19 g/10 min	19 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield)	9300 psi	64.1 MPa	ASTM D638
Flexural Modulus ³	341000 psi	2350 MPa	ASTM D790B
Flexural Strength ³ (5.0% Strain)	13500 psi	93.1 MPa	ASTM D790B
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 In (3.18 Mm))	15 ft·lb/in	800 J/m	ASTM D256A
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	120	120	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm)	262 °F	128 °C	ASTM D648

Notes

¹ Procedure A² 2.0 in/min (51 mm/min)³ Method I (3 point load), 0.050 in/min (1.3 mm/min)