

Network Polymers Pc 1029 L

Polycarbonate
LyondellBasell Industries
Engineering Plastics

General			
Additive	• Lubricant		
Features	• Food Contact Acceptable		
Agency Ratings	• FDA 21 CFR 177.1580		
UL File Number	• E150937		
Appearance	• Natural Color		

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)	20 g/10 min	20 g/10 min	ASTM D1238
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 ² (Yield)	9000 psi	62.1 MPa	ASTM D638
Flexural Modulus ³	345000 psi	2380 MPa	ASTM D790B
Flexural Strength ³	13000 psi	89.6 MPa	ASTM D790B

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 In (3.18 Mm))	12 ft·lb/in	640 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)	260 °F	127 °C	ASTM D648

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.5 Mm), All)	V-2	V-2	UL 94

Notes

¹ Procedure A

² 2.0 in/min (51 mm/min)

³ Method I (3 point load), 0.050 in/min (1.3 mm/min)

