

Network Polymers PC 1029 L

Polycarbonate
Network Polymers, Inc.

Message:

Network Polymers PC 1029 L is a Polycarbonate (PC) product. It is available in North America. Typical application: Food Contact Applications.

Characteristics include:

Flame Rated
Food Contact Acceptable
Lubricated

General Information			
UL YellowCard	E51193-101898832		
Additive	Lubricant		
Features	Food Contact Acceptable		
Agency Ratings	FDA 21 CFR 177.1580		
UL File Number	E150937		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (300°C/1.2 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	62.1	MPa	ASTM D638
Flexural Modulus ³	2380	MPa	ASTM D790B
Flexural Strength ⁴	89.6	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	640	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	127	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ALL)	V-2		UL 94
NOTE			
1.	Procedure A		
2.	51 mm/min		
3.	Method I (3 point load), 1.3 mm/min		
4.	Method I (3 point load), 1.3 mm/min		

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