

Network Polymers PC 1011 L

Polycarbonate
Network Polymers, Inc.

Message:

Network Polymers PC 1011 L is a Polycarbonate (PC) product. It is available in North America. Typical application: Food Contact Applications.
Characteristics include:
Flame Rated
Food Contact Acceptable
UV Stabilized

General Information			
Additive	UV Stabilizer		
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)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (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)	71.0	MPa	ASTM D638
Flexural Modulus ³	2410	MPa	ASTM D790B
Flexural Strength ⁴	96.5	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	910	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)	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)		

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