

NAXELL™ PC110-919

Polycarbonate

MRC Polymers, Inc.

Message:

NAXELL™ PC110-919 is a Polycarbonate (PC) material. It is available in North America.

General Information			
Features	General Purpose		
	Medium Flow		
Uses	General Purpose		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C, 3.20 mm)	62.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C, 3.20 mm)	60	%	ASTM D638
Flexural Modulus (23°C, 3.20 mm)	2340	MPa	ASTM D790
Flexural Strength (23°C, 3.20 mm)	96.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	850	J/m	ASTM D256
Instrumented Dart Impact ¹ (23°C, 3.20 mm, Total Energy)	61.0	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	135	°C	
1.8 MPa, Unannealed, 3.20 mm	125	°C	
CLTE - Flow (-40 to 35°C)	6.8E-5	cm/cm/°C	ASTM D696
NOTE			
1.	3.35 m/sec		

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