

NEMCON H PC DP111/X1

Polycarbonate
Ovation Polymers Inc.

Message:
Polycarbonate - Thermally and electrically conducting grade with high HDT and improved processability.

General Information			
Features	Conductivity		
	Heat conduction		
	Workability, good		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	3940	MPa	ASTM D638
Tensile Strength ² (Break)	45.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.1	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	4480	MPa	ASTM D790
Flexural Strength ⁵ (Break, 50.0 mm Span)	67.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	110	°C	ASTM D648
Thermal Conductivity	2.0	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.3E+5	ohms	ASTM D257
Additional Information			
The value listed as Thermal Conductivity ASTM C177, was tested in accordance with Ovation Polymers internal testing methods.The value listed as Surface Resistivity ASTM D257, was tested in accordance with Ovation Polymers internal testing methods.			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	1.3 mm/min		
5.	1.3 mm/min		

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