NEMCON H PC DP184

Polycarbonate

Ovation Polymers Inc.

Message:

Thermally conductive Polycarbonate

General Information			
Features	Thermally Conductive		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.62	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1] (23°C)	7810	MPa	ASTM D638
Tensile Strength [2] (Break, 23°C)	55.0	MPa	ASTM D638
Tensile Elongation [3] (Break, 23°C)	2.0	%	ASTM D638
Flexural Modulus [4] (23°C, 50.0 mm Span)	6750	MPa	ASTM D790
Flexural Strength [5] (Break, 23°C, 50.0 mm Span)	70.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Thermal Conductivity			Internal Method
23°C [6]	0.50 to 1.0	W/m/K	
23°C [7]	5.0 to 8.0	W/m/K	
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 100	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	250 to 260	°C	
Middle Temperature	260 to 280	°C	
Front Temperature	270 to 290	°C	
Nozzle Temperature	270 to 290	°C	
Processing (Melt) Temp	265 to 280	°C	
Mold Temperature	90.0 to 125	°C	
Back Pressure	0.276 to 0.552	MPa	
Screw Speed	60 to 120	rpm	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		

4.	1.3 mm/min
5.	1.3 mm/min
6.	Through Plane
7.	In Plane

Recommended distributors for this material

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