NEMCON H PA66 DP187

Polyamide 66

Ovation Polymers Inc.

Message:

Thermally conductive Nylon 6,6.

General Information			
Features	Thermally Conductive		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.41	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.40	%	
Across Flow	0.20	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1] (23°C)	9180	MPa	ASTM D638
Tensile Strength [2] (Break, 23°C)	57.0	MPa	ASTM D638
Tensile Elongation [3] (Break, 23°C)	2.0	%	ASTM D638
Flexural Modulus [4] (23°C, 50.0 mm Span)	7400	MPa	ASTM D790
Flexural Strength [5] (Break, 23°C, 50.0 mm Span)	105	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 0.75	W/m/K	
23°C [7]	3.0 to 5.0	W/m/K	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	5.0E+12	ohms	ASTM D257
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	255 to 270	°C	
Middle Temperature	260 to 280	°C	
Front Temperature	270 to 290	°C	
Nozzle Temperature	280 to 300	°C	
Processing (Melt) Temp	270 to 300	°C	
Mold Temperature	70.0 to 105	°C	
Injection Rate	Fast		

Back Pressure	0.138	MPa
Screw Speed	60 to 80	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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