

NEMCON H ABS DP116P

Acrylonitrile Butadiene Styrene

Ovation Polymers Inc.

Message:

Nemcon H-series products are designed for use in high performance electronic assemblies where heat removal is critical to system performance. Nemcon H ABS DP116P is a thermally conductive, electrically insulating ABS compound, combining thermal conductivity with good HDT and processability.

General Information			
Features	Heat conduction		
	Insulation		
	Workability, good		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
	Electrical components		
	Electrical housing		
	Shell		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.66	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (23°C)	3570	MPa	ASTM D638
Tensile Strength ² (Break, 23°C)	32.0	MPa	ASTM D638
Tensile Elongation ³ (Break, 23°C)	1.7	%	ASTM D638
Flexural Modulus ⁴ (23°C, 50.0 mm Span)	3190	MPa	ASTM D790
Flexural Strength ⁵ (Break, 23°C, 50.0 mm Span)	52.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	81.0	°C	ASTM D648
Thermal Conductivity (23°C)	0.70	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	8.0E+12	ohms	ASTM D257
Additional Information			
The value listed as Thermal Conductivity, ASTM C177 was tested in accordance with ASTM E1461.			
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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