

NIMA NH PA66UT

Polyamide 66
Ovation Polymers Inc.

Message:
Polyamide 66 - Ultra Tough, Flame retarded Non-Hal grade with excellent retention of mechanical properties.

General Information			
Features	Flame Retardant		
	Halogen Free		
	Ultra High Toughness		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (280°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 3.17 mm	1.1 to 1.3	%	
Across Flow : 3.17 mm	0.35 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1400	MPa	ASTM D638
Tensile Strength ² (Yield)	38.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	20	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	1700	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 50.0 mm Span)	55.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	73.0	°C	
1.8 MPa, Unannealed, 3.20 mm	58.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	V-0		UL 94
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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