

OPNYL OP66UT 108

Polyamide 66
Ovation Polymers Inc.

Message:
Ultra Tough - High Impact, Excellent retention of mechanical properties, High service temperature.

General Information			
Features	Good Thermal Stability		
	High Impact Resistance		
	Ultra High Toughness		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 3.17 mm	1.1 to 1.3	%	
Across Flow : 3.17 mm	1.5 to 1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1800	MPa	ASTM D638
Tensile Strength ² (Yield)	53.0	MPa	ASTM D638
Tensile Elongation ³ (Break)	80	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	1840	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 50.0 mm Span)	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	290	J/m	
23°C	700	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	210	°C	
1.8 MPa, Unannealed, 3.20 mm	64.0	°C	
Peak Melting Temperature	256	°C	ASTM D3418
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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