

UNITIKA Nylon 66 ET2025

Polyamide 66
UNITIKA Plastics Division

Message:

UNITIKA Nylon 66 ET2025 is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific or North America. Primary attribute of UNITIKA Nylon 66 ET2025: Impact Resistant.
Typical applications include:
Electrical/Electronic Applications
Automotive

General Information				
Features		High Impact Resistance		
Uses		Automotive Electronics		
		Electrical Parts		
		Electrical/Electronic Applications		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.07	1.07	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow : 3.20 mm	2.4	2.4	%	
Flow : 3.20 mm	2.2	2.2	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.7	1.7	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1800	800	MPa	ISO 527-2
Tensile Stress (Yield)	45.0	38.0	MPa	ISO 527-2
Tensile Strain (Break)	60	> 200	%	ISO 527-2
Flexural Modulus	1700	800	MPa	ISO 178
Flexural Stress	55.0	25.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	80	90	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	No Break	No Break		ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	161	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	62.0	--	°C	ISO 75-2/A
CLTE - Flow	1.0E-4	1.0E-4	cm/cm/°C	ISO 11359-2
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	--	ohms · cm	IEC 60093

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Recommended distributors for this material

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