

UNITIKA Nylon 6 M1030E

Polyamide 6

UNITIKA Plastics Division

Message:

Nano composite nylon

General Information				
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.15	1.15	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow: 3.20mm	0.80	0.80	%	ASTM D955
Transverse flow: 3.20mm	0.90	0.90	%	ASTM D955
Water Absorption				
23°C, 24 hr	0.70	0.70	%	
Balanced, 23°C, 50%RH	2.8	2.8	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength (Break)	96.0	65.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	4.0	%	ASTM D638
Flexural Modulus	5200	2500	MPa	ASTM D790
Flexural Strength	155	78.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	30	70	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	197	--	°C	ASTM D648
1.8 MPa, not annealed	164	--	°C	ASTM D648
CLTE - Flow	4.9E-5	4.9E-5	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+15	--	ohms·cm	ASTM D257

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Recommended distributors for this material

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