

Sunday, November 19, 2006

UBE Nylon 1013B (Cond)
 UBE Engineering Plastics, S.A. - *Polyamide 6*

Unit System: English

Actions **Legend (Open)**



General Information

General	
Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Test Standards Available	<ul style="list-style-type: none"> ASTM
Features	<ul style="list-style-type: none"> Abrasion Resistance, Good Chemical Resistance, Good Heat Resistance, High Impact Resistance, Good Lubricating, Self Mold Release, Good Oil Resistant Rigidity, High Solvent Resistant Sound Damping Vibration Damping
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

ASTM and ISO Properties ¹

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength @ Yield	5680	psi	ASTM D638
Tensile Elongation @ Brk	200	%	ASTM D638
Flexural Modulus	107000	psi	ASTM D790
Flexural Strength @ Yield	5680	psi	ASTM D790
Compressive Strength	1420	psi	ASTM D695
Shear Strength	8530	psi	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73 ° F)	9.18	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
(M-Scale)	55		
(R-Scale)	85		
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+12	ohm-cm	ASTM D257
Dielectric Constant			ASTM D150
(60 Hz)	9.000		
(1E+6 Hz)	4.500		
Dissipation Factor			ASTM D150
(60 Hz)	0.10		
(1E+6 Hz)	0.12		

Notes

¹ Typical properties: these are not to be construed as specifications.

The information presented on this data sheet was acquired by IDES from various sources, including the producer of the material and recognized testing agencies. In some cases, material updates have been integrated directly into the IDES Plastics Database by the material producer utilizing the Data Maintenance Tool. IDES makes substantial efforts to assure the accuracy of this data. However, IDES assumes no responsibility for the data values and urges that upon final material selection, data points are validated with the manufacturer.