

UBE Nylon 1013 NW8

Polyamide 6

UBE Engineering Plastics, S.A.

Message:

UBE NYLON 1013 NW8 is a standard viscosity Polyamide 6 for general injection moulding application. It offers an excellent balance between toughness and rigidity.

General Information			
UL YellowCard	E173981-238517	E48133-240242	
Features	Good liquidity		
	Good toughness		
	Medium hardness		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	1.2	%	ASTM D955
Transverse flow	1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	80.0	MPa	ASTM D638
Fracture	65.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2850	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	65	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	195	°C	ASTM D648
1.8 MPa, not annealed	75.0	°C	ASTM D648
Melting Temperature	220	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94
Additional Information			
Relative Viscosity, JIS K6920, 96% H2SO4, conc. 1.0%: 2.49			

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