

UBE Nylon 1024JI

Polyamide 6

UBE Engineering Plastics, S.A.

Message:

UBE NYLON 1024 JI is plasticized and impact modified, high viscosity Polyamide 6. It is most suitable for application in contact with fuel, such as for multilayer fuel lines.

General Information			
Additive	Impact modifier		
	Plasticizer		
Features	Impact modification		
	Impact resistance, high		
	Workability, good		
	Fuel resistance		
Uses	Fuel line		
Appearance	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	31.0	MPa	ISO 527-2
Tensile Strain (Break)	200	%	ISO 527-2
Flexural Modulus	630	MPa	ISO 178
Flexural Stress	24.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	104	°C	ISO 75-2/B
Melting Temperature (DSC)	219	°C	ISO 3146
Additional Information			

The value listed as Melting Temperature, ISO 3146, was tested in accordance with ISO 11357.Extractable Content, DIN 53738 (A): 17.5 wt%Tensile Strain at Break, ISO 527: >200%

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