

UBE NYLON XT2512B08

UBE NYLON XT2512B08 is a medium viscosity homopolyamide 6 (PA6). The grade is suitable in outer, middle and/or inner layer for a wide range of film extrusion applications.

Technical
Information

Airblown
50 μm monolayer



Basic properties ⁽¹⁾	Method	Unit	UBE NYLON XT2512B08
Melting point	ISO 11357	$^{\circ}\text{C}$	220
Relative Viscosity ⁽²⁾	UBE Method	-	3.63
Viscosity Number ⁽³⁾	ISO 307	ml/g	217
Density	DIN 53479	$\text{g} \cdot \text{cm}^{-3}$	1.14

⁽¹⁾ Measured on base resin. Average values.

⁽²⁾ 96% H_2SO_4 , 1% polymer concentration.

⁽³⁾ 96% H_2SO_4 , 0.5% polymer concentration.

Mechanical properties ⁽⁴⁾

T=23°C, RH=50%

Tensile strength at yield	ASTM D-882	MPa	33
Tensile strength at break		MPa	90
Tensile elongation at break		%	393
Tensile modulus		MPa	672
Puncture load	JAS P-1019	N	8.8
Puncture deformation		mm	7.5
Flexcrack resistance (Gelboflex)	MIL-STD-3010C	holes/0.04 m ²	1000 cycles < 40

Optical properties ⁽⁴⁾

T=23°C, RH=50%

Haze of film	ASTM D-1003	%	23
Gloss of film (60°)	ASTM D-523	G.U.	66

⁽⁴⁾ Film samples are processed on a pilot airblown line at 3.6 m.min⁻¹, applying a Blow-Up Ratio of 2.1. Samples are conditioned at T = 23 °C, RH = 50 % for t ≥ 24h before testing

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UBE highly recommends to read the Safety Data Sheet "SDS" before using UBE products to ensure your safety.

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