

## UBE 1024FDX41 Nylon 6 BOPA Film

Category : Polymer , Film , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Film Grade

### Material Notes:

Specialties: Excellent processing stability Processing: Best for BOPA Applications: BOPA film (T-die) Information provided by UBE.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_UBE-1024FDX41-Nylon-6-BOPA-Film.php](http://www.lookpolymers.com/polymer_UBE-1024FDX41-Nylon-6-BOPA-Film.php)

Physical Properties	Metric	English	Comments
Oxygen Transmission Rate	53.0 - 54.0 cc/m <sup>2</sup> /day	3.41 - 3.48 cc/100 in <sup>2</sup> /day	ASTM D-3985
Relative Viscosity	3.38 - 3.5 cP	3.38 - 3.5 cP	96% H2SO4
	3.61 - 3.75 cP	3.61 - 3.75 cP	98% H2SO4
Thickness	13.0 - 15.0 microns	0.512 - 0.591 mil	Gauge

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	120 %	120 %	ASTM D-882
Film Elongation at Break, TD	130 %	130 %	ASTM D-882
Secant Modulus, MD	1.25 GPa	181 ksi	ASTM D-882
Secant Modulus, TD	1.30 GPa	189 ksi	ASTM D-882
Coefficient of Friction, Dynamic	0.37	0.37	non treated surface; ASTM D-1894
Coefficient of Friction, Static	0.37	0.37	(non treated surface); ASTM D-1894
Film Tensile Strength at Break, MD	224 MPa	32500 psi	ASTM D-882
Film Tensile Strength at Break, TD	213 MPa	30900 psi	ASTM D-882

Thermal Properties	Metric	English	Comments
Melting Point	215 - 225 °C	419 - 437 °F	

Optical Properties	Metric	English	Comments
Haze	3.0 %	3.0 %	ASTM D-1003
Gloss	146 %	146 %	ASTM D-523

Processing Properties	Metric	English	Comments
Processing Temperature	200 - 220 °C	392 - 428 °F	C1

Processing Properties	Metric 230 °C	English 446 °F	Comments
	230 - 240 °C	446 - 464 °F	C3
	240 - 250 °C	464 - 482 °F	C4
	250 - 260 °C	482 - 500 °F	AD
	250 - 260 °C	482 - 500 °F	CF
	250 - 260 °C	482 - 500 °F	D1- D4

## Contact Songhan Plastic Technology Co.,Ltd.

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