

UBE 1026B1 Nylon 6 Homopolymer Film

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

Material Notes:

Specialties: Nucleated (High viscosity) Processing: T-die, Air blownApplications: General applicationsInformation provided by UBE.

Order this product through the following link:
http://www.lookpolymers.com/polymer_UBE-1026B1-Nylon-6-Homopolymer-Film.php

Physical Properties	Metric	English	Comments
Relative Viscosity	3.62 - 3.8 cP	3.62 - 3.8 cP	96% H2SO4
	3.88 - 4.08 cP	3.88 - 4.08 cP	98% H2SO4
Thickness	40.0 microns	1.57 mil	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	460 %	460 %	
Secant Modulus, TD	0.470 GPa	68.2 ksi	
Coefficient of Friction, Dynamic	0.75	0.75	20 deg. C 55% RH
Coefficient of Friction, Static	1.0	1.0	(20 deg. C 55% RH)
Film Tensile Strength at Break, MD	98.0 MPa	14200 psi	

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

Optical Properties	Metric	English	Comments
Haze	2.3 %	2.3 %	
Gloss	145 %	145 %	

Processing Properties	Metric	English	Comments
Processing Temperature	200 - 220 °C	392 - 428 °F	C1
	210 - 230 °C	410 - 446 °F	C2
	230 - 240 °C	446 - 464 °F	C3
	240 - 250 °C	464 - 482 °F	C4
	250 - 260 °C	482 - 500 °F	AD

Processing Properties	250 - 260 °C Metric	482 - 500 °F English	CF Comments
	250 - 260 °C	482 - 500 °F	D1 - D4
Roll Temperature	80.0 °C	176 °F	Chill Roll Temperature

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