UBE UBESTA® 3030U Nylon 12 (After Methyl Ethyl Ketone for 1000 hours)

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

Description: UBESTA has a strong resistance to chemicals. Under normal conditions, it is not significantly affected by alkalis, alcohols, ethers, ketones, hydrocarbons, lubricating oils, gasoline, cleaning agents, water, seawater and other chemicals. Compared with other types of plastics, UBESTA is particularly resistant to oils, and it displays strong resistance to organic acids and metal chlorides which adversely affect Nylon 12 and Nylon 66Information provided by UBE.

Order this product through the following link:
http://www.lookpolymers.com/polymer_UBE-UBESTA-3030U-Nylon-12-After-Methyl-Ethyl-Ketone-for-1000-hours.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	42.2 MPa	6120 psi	84% Ret.
Tensile Strength, Yield	29.3 MPa	4250 psi	70% Ret.
Elongation at Break	91 %	91 %	114% Ret.

Processing Properties	Metric	English	Comments
Processing Temperature	230 °C	446 °F	Flange Temperature for T-Die Cast Film Extrusion
Zone 1	190 °C	374 °F	For T-Die Cast Film Extrusion
	230 °C	446 °F	For 8x1 mm Tube Extrusion
Zone 2	210 °C	410 °F	For T-Die Cast Film Extrusion
	225 °C	437 °F	For 8x1 mm Tube Extrusion
Zone 3	220 °C	428 °F	For 8x1 mm Tube Extrusion
	230 °C	446 °F	For T-Die Cast Film Extrusion
Zone 4	215 °C	419 °F	For 8x1 mm Tube Extrusion
Die Temperature	230 °C	446 °F	For T-Die Cast Film Extrusion
Die Opening	0.0400 cm	0.0157 in	For T-Die Cast Film Extrusion
Roll Temperature	50.0 °C	122 °F	Chill Roll Temperature for T-Die Cast Film Extrusion
Drying Temperature	80.0 °C	176 °F	Option 1
	100 °C	212 °F	Option 2
	110 °C	230 °F	Option 3
Dry Time	2 - 4 hour	2 - 4 hour	Option 3

Processing Properties	Metric	English	Comments
	4 - 6 hour	4 - 6 hour	Option 2
	6 - 8 hour	6 - 8 hour	Option 1
Screw Speed	15 - 76 rpm	15 - 76 rpm	For 8x1 mm Tube Extrusion

Descriptive Properties	Value	Comments
C/R	3-3.5:1	For 8x1 mm Tube Extrusion
Calibrating Vacuum	100 mbar	For 8x1 mm Tube Extrusion
Calibration	9.95 mm	For 8x1 mm Tube Extrusion
Compression Ratio	min 3:1	For 8x1 mm Tube Extrusion
Die Diameter	16 mm	For 8x1 mm Tube Extrusion
Die Width	300 mm	For T-Die Cast Film Extrusion
Extruder	Barmag, Screw Diameter = 30 mm	For T-Die Cast Film Extrusion
Extruder Characteristics	65 mm screw diameter	For 8x1 mm Tube Extrusion
Film Thickness	60 microns	For T-Die Cast Film Extrusion
Haul Off Speed	5 m/min	For T-Die Cast Film Extrusion
Haul Speed	10-55 m/min	For 8x1 mm Tube Extrusion
L/D Ratio	25:1	For 8x1 mm Tube Extrusion
Length of Compression Zone	30% of screw length	For 8x1 mm Tube Extrusion
Length of Feeding Zone	30-40% of screw length	For 8x1 mm Tube Extrusion
Length of Metering Zone	30-45% of screw length	For 8x1 mm Tube Extrusion
Mandrel Diameter	12 mm	For 8x1 mm Tube Extrusion
Tensile Work To Break	772 kJ/m^2	95% Ret.
Water Temperature	10-18°C	For 8x1 mm Tube Extrusion

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China