

**Promyde® BF40 L**

PA6

Nurel S.A.

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3

Optical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Haze	5 <sup>(1)</sup>	%	ASTM D 1003

1: Chill roll temperature 90°C

Other properties	Value	Unit	Test Standard
Water absorption	9	%	Sim. to ISO 62
Humidity absorption	3	%	Sim. to ISO 62
Density	1130	kg/m <sup>3</sup>	ISO 1183
Moisture Content	0.1	%	-

Film Properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Stress at yield, parallel	34	MPa	ISO 527-3
Stress at break, parallel	96	MPa	ISO 527-3
Maximum strain, parallel	350	%	ISO 527-3
Trouser Tear resistance, parallel	25	N/mm	ISO 6383-1
Dynamic coefficient of friction	0.25	-	ISO 8295
WVTR, 23°C/85%r.h.	15	g/(m <sup>2</sup> *d)	ISO 15106-1/-2
Oxygen transmission rate, 23°C/0%r.h.	25	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2
Oxygen transmission rate, 23°C/85%r.h.	40	cm <sup>3</sup> /(m <sup>2</sup> *d*bar)	ISO 15105-1/-2

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	75 - 80	°C	-
Feed temperature	230 - 240	°C	-
Zone 1	250 - 265	°C	-
Zone 2	255 - 265	°C	-
Nozzle temperature	255 - 265	°C	-

**Characteristics****Processing**

Blown Film Extrusion, Film Extrusion, Other Extrusion, Thermoforming

**Additives**

Lubricants

**Features**

Barrier Properties

**Chemical Resistance**

General Chemical Resistance

**Certifications**

Food contact

**Applications**

Packaging

**Regional Availability**

Europe