

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	1.2	g/10min	ASTM D 1238
Temperature	235	°C	-
Load	1	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Flexural Modulus	2690	MPa	ASTM D 790
Flexural Strength	100	MPa	ASTM D 790
Izod Impact notched, 1/8 in	60	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melting Temperature	220	°C	ASTM D 3418

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	1.6	%	ASTM D 570
Water Absorption, Equilibrium	9.5	%	ASTM D 570
Density	1130	kg/m <sup>3</sup>	ASTM D 792
Moisture Content	0.08	%	-

Film Properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus, MD	640	MPa	ASTM D 882
Tensile Modulus, TD	610	MPa	ASTM D 882
Tensile Strength, MD	100	MPa	ASTM D 882
Tensile Strength, TD	100	MPa	ASTM D 882
Tensile Strength at Yield, MD	30	MPa	ASTM D 882
Tensile Strength at Yield, TD	30	MPa	ASTM D 882
<b>Other Standards<sup>[5]</sup></b>			
Elmendorf Tear resistance, parallel	840	N	ASTM D 1922
Elmendorf Tear resistance, normal	1140	N	ASTM D 1922

S: These properties are reported by the producer according standards that are different to our defaults.

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	film	-	-
Pre-drying - Temperature	80	°C	-
Melt temperature	260 - 270	°C	-
Zone 1	230 - 260	°C	-
Nozzle temperature	260	°C	-
Type of extrusion	blown	-	-
Pre-drying - Temperature	80	°C	-
Melt temperature	254 - 260	°C	-
Zone 1	246 - 254	°C	-
Nozzle temperature	254	°C	-

## Characteristics

### Processing

Blown Film Extrusion, Film Extrusion, Thermoforming

### Additives

Lubricants

### Chemical Resistance

General Chemical Resistance

### Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America

**Features**

Nucleated, Homopolymer