

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

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	2610	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
ASTM Data			
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 ³	ASTM D 792
Moisture Content	0.08	%	-

Film Properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus, MD	660	MPa	ASTM D 882
Tensile Modulus, TD	640	MPa	ASTM D 882
Tensile Strength, MD	90	MPa	ASTM D 882
Tensile Strength, TD	90	MPa	ASTM D 882
Tensile Strength at Yield, MD	30	MPa	ASTM D 882
Tensile Strength at Yield, TD	30	MPa	ASTM D 882
Other Standards^[5]			
Elmendorf Tear resistance, parallel	860	N	ASTM D 1922
Elmendorf Tear resistance, normal	990	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

Chemical Resistance
General Chemical Resistance

Special Characteristics
Heat stabilized or stable to heat

Certifications
Recycled Resin Content, Food contact, Food approval 10/2011, Food approval FDA 21 CFR

Features

Homopolymer

Regional Availability

North America