

| 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

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Certifications

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

Features

Homopolymer

Regional Availability

North America