


# Qplast™

## QPLL B1100

### Linear Low Density Polyethylene

Qplast™ QPLL B1100 is a linear low-density polyethylene offering excellent drawdown, puncture resistance, gloss, and clarity. Ideal as an LDPE blend partner to improve film properties and processing.

Supplier	
Additive	Antiblock: No; Slip: No; Processing Aid: No; Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> <li>• Agricultural &amp; Industrial Films</li> <li>• General Purpose Liners and Bags</li> <li>• Retail Bags</li> <li>• Stand-up Pouches</li> <li>• Form Fill And Seal Packaging</li> <li>• Heavy Duty Trash Bags</li> </ul>
Form(s)	Pellets

#### Resin Properties

	Typical Value (English)	Typical Value (English)	Test Method
Density	0.918 g/cm <sup>3</sup>	0.918 g/cm <sup>3</sup>	ASTM D792
Melt Index (190°C/2.16 kg)	1.0 g/10 min	1.0 g/10 min	ASTM D1238
Peak Melting Temperature	248 °F	120 °C	Proprietary Method

#### Film Properties

Tensile Strength at Yield MD	1400 psi	9 MPa	ASTM D882
Tensile Strength at Yield TD	1500 psi	10 MPa	ASTM D882
Tensile Strength at Break MD	6500 psi	45 MPa	ASTM D882
Tensile Strength at Break TD	5200 psi	36 MPa	ASTM D882
Elongation at Break MD	520 %	520 %	ASTM D882
Elongation at Break TD	900 %	900 %	ASTM D882
Secant Modulus MD — 1% Secant	26000 psi	180 MPa	ASTM D882
Secant Modulus TD — 1% Secant	30000 psi	207 MPa	ASTM D882
Dart Drop Impact	90 g	90 g	ASTM D1709A
Elmendorf Tear Strength MD	110 G	110 g	ASTM D1922
Elmendorf Tear Strength TD	450 g	450 g	ASTM D1922

#### Optical Properties

Gloss (45°)	51	51	ASTM D2457
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Haze	18.0 %	18.0 %	ASTM D1003
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