


# Qplast™

## QPLL H3180B

### Linear Low Density Polyethylene

Qplast™ QPLL H3180B is a linear low-density polyethylene offering exceptional tensile strength, stiffness, toughness, and drawability, making it ideal for versatile packaging application.

Supplier	
Additive	Antiblock: No; Slip: No; Processing Aid: No; Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> <li>• Packaging Films</li> <li>• Cast Film</li> <li>• Cast Stretch Film</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)	3.1 g/10 min	3.1 g/10 min	ASTM D1238
Peak Melting Temperature	255 °F	124 °C	Proprietary Method

#### Film Properties

Tensile Strength at Yield MD	1300 psi	9 MPa	ASTM D882
Tensile Strength at Yield TD	1200 psi	8 MPa	ASTM D882
Tensile Strength at Break MD	7000 psi	48 MPa	ASTM D882
Tensile Strength at Break TD	4500 psi	31 MPa	ASTM D882
Elongation at Break MD	510 %	510 %	ASTM D882
Elongation at Break TD	820 %	820 %	ASTM D882
Secant Modulus MD — 1% Secant	20000 psi	138 MPa	ASTM D882
Secant Modulus TD — 1% Secant	21000 psi	150 MPa	ASTM D882
Dart Drop Impact	100 g	100 g	ASTM D1709A
Elmendorf Tear Strength MD	170 g	170 g	ASTM D1922
Elmendorf Tear Strength TD	580 g	580 g	ASTM D1922

#### Optical Properties

Gloss (45°)	92	92	ASTM D2457
Haze	2.2 %	2.2 %	ASTM D1003

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## Disclaimer

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REV: 2024