

# Qplast™

## QPLL 1900AX

### Linear Low Density Polyethylene

Qplast™ QPLL 1900AX is commonly used as a blend partner with LDPE resins to enhance film properties and processability. QPLL 1900AX provides excellent mechanical properties benefits when blended properly with LDPE for improved film performance.

#### Supplier



#### Additive

Antiblock: 3500 ppm; Slip: 1500 ppm; Processing Aid: No; Thermal Stabilizer: Yes

#### Applications

- Agricultural Film
- Produce Bags
- Industrial Liners
- Form Fill And Seal Packaging

#### 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 D1505
Melt Index (190°C/2.16 kg)	1.0 g/10 min	1.0 g/10 min	ASTM D1238

#### Film Properties

Tensile Strength at Break MD	8500 psi	59 MPa	ASTM D882
Tensile Strength at Break TD	5000 psi	34 MPa	ASTM D882
Elongation at Break MD	570 %	570 %	ASTM D882
Elongation at Break TD	840 %	840 %	ASTM D882
Secant Modulus MD — 1% Secant	30000 psi	207 MPa	ASTM D882
Secant Modulus TD — 1% Secant	32000 psi	220 MPa	ASTM D882
Dart Drop Impact	90 g	90 g	ASTM D1709A
Elmendorf Tear Strength MD	80 g	80 g	ASTM D1922
Elmendorf Tear Strength TD	430 g	430 g	ASTM D1922

#### Optical Properties

Gloss (45°)	48	48	ASTM D2457
Haze	12 %	12 %	ASTM D1003

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REV: 2024