

Qplast™

QPLL B1900BF

Linear Low Density Polyethylene

Qplast™ QPLL B1900BF is a butene LLDPE blown film with excellent drawdown capabilities. Films produced from QPLL B1900BF resin demonstrate strong tensile strength and impressive toughness.

Supplier	
Additive	Antiblock: No; Slip: No; Processing Aid: No; Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> • Lamination Film • Form Fill And Seal Packaging • Industrial Liners • Barrier Food Packaging • Bag in Box • Freezer Film • Industrial Packaging • Blown Film • General Packaging • Garment Film • Agricultural Film • Liners

Resin Properties

	Typical Value (English)	Typical Value (English)	Test Method
Density	0.918 g/cm ³	0.918 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	1.0 g/10 min	1.0 g/10 min	ASTM D1238
Peak Melting Temperature	250 °F	121 °C	Proprietary Method

Film Properties

Tensile Strength at Yield MD	1400 psi	10 MPa	ASTM D882
Tensile Strength at Yield TD	1400 psi	10 MPa	ASTM D882
Tensile Strength at Break MD	7000 psi	48 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	870 %	870 %	ASTM D882
Secant Modulus MD — 1% Secant	28000 psi	190 MPa	ASTM D882
Secant Modulus TD — 1% Secant	33000 psi	230 MPa	ASTM D882
Dart Drop Impact	90 g	90 g	ASTM D1709A
Elmendorf Tear Strength MD	90 g	90 g	ASTM D1922
Elmendorf Tear Strength TD	450 g	450 g	ASTM D1922

Optical Properties

Gloss (45°)	45	45	ASTM D2457
Haze	14.0 %	14.0 %	ASTM D1003

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