Qplast™
QPLL B1901AD
Linear Low Density Polyethylene

Qplast™ QPLL B1901AD is a LLDPE blown film resin with excellent drawdown capabilities. Films produced from QPLL B1901AD resin demonstrate strong tensile strength and impressive toughness.

Supplier	Qplast
Additive	Antiblock: 6300 ppm; Slip: 1500 ppm; Processing Aid: No
Applications	• Consumer Bags • Greenhouse Film • Tunnel Film • Waste Liners

Resin Properties

	Typical Value	(English)	Typical Value	(English)	Test Method
Density	0.922	g/cm³	0.922	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	1.0	g/10 min	1.0	g/10 min	ASTM D1238

Film Properties

Film Toughness MD	1320	ft·lb/in³	109	J/cm³	ASTM D882
Film Toughness TD	1290	ft·lb/in³	107	J/cm³	ASTM D882
Secant Modulus MD — 1% Secant	31000	psi	214	MPa	ASTM D882
Secant Modulus TD — 1% Secant	36000	psi	248	MPa	ASTM D882
Secant Modulus MD — 2 % Secant	27500	psi	190		MPa ASTM D882
Secant Modulus TD — 2 % Secant	30000	psi	207	MPa	ASTM D882
Tensile Strength at Yield MD	1700	psi	12	MPa	ASTM D882
Tensile Strength at Yield TD	1700	psi	12	MPa	ASTM D882
Tensile Strength at Break MD	6000	psi	41	MPa	ASTM D882
Tensile Strength at Break TD	4200	psi	29	MPa	ASTM D882
Elmendorf Tear Strength MD	160	g	160	g	ASTM D1922
Elmendorf Tear Strength TD	400	g	400	g	ASTM D1922

Thermal

Vicat Softening Temperature	216	°F	102	°C	ASTM D1525
Melting Temperature (DSC)	252	°F	122	°C	ISO 3146

Optical Properties

Gloss (45°)	17	17	ASTM D2457
Haze	38.0 %	38.0 %	ASTM D1003

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