


Qplast™

QPLL B2200BF

Linear Low Density Polyethylene

Qplast™ QPLL B2200BF resin is a linear low-density polyethylene designed for blown film. Films produced with QPLL B2200BF resins offer excellent tensile strength and toughness. QPLL B2200BF resin is a granular material suitable for both film production and compounding applications.

Supplier	
Additive	Antiblock: No; Slip: No; Processing Aid: No; Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> • Agricultural Film • Freezer Film • Mulch Film • Garment Film • Packaging Films • Blown Film • Produce Bags • Cast Film • Industrial Packaging • Food Packaging • Institutional Can Liners • Trash Can Liners • Form Fill And Seal Packaging
Form(s)	Granules and Pellets

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)	2.1 g/10 min	2.1 g/10 min	ASTM D1238
Peak Melting Temperature	250 °F	121 °C	Proprietary Method

Film Properties

Tensile Strength at Yield MD	1100 psi	8 MPa	ASTM D882
Tensile Strength at Yield TD	1300 psi	9 MPa	ASTM D882
Tensile Strength at Break MD	4800 psi	33 MPa	ASTM D882
Tensile Strength at Break TD	3500 psi	24 MPa	ASTM D882
Elongation at Break MD	640 %	640 %	ASTM D882
Elongation at Break TD	760 %	760 %	ASTM D882
Secant Modulus MD — 1% Secant	26000 psi	180 MPa	ASTM D882
Secant Modulus TD — 1% Secant	33000 psi	230 MPa	ASTM D882

Dart Drop Impact	<60 g	<60 g	ASTM D1709A
Elmendorf Tear Strength MD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength TD	400 g	400 g	ASTM D1922

Optical Properties

Gloss (45°)	24	24	ASTM D2457
Haze	25.0 %	25.0 %	ASTM D1003

Disclaimer

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