

Qplast™

QPLD 234B

Low Density Polyethylene

Qplast™ QPLD 234B is a homopolymer packaging film offering good stiffness and outstanding clarity. QPLD 234B resin can be used for processing in both blown and cast film equipment and can be drawn down to a 1.0 in blown film equipment.

Supplier	
Additive	Antiblock: 1500ppm; Slip: 750 ppm; Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> • Blend Partner • Form Fill And Seal Packaging • Cast Film • High Clarity Film • Display Packaging Film • Lamination Film • Food Packaging • Light Duty Shrink Film • Mail Bags • Produce Bags
Form(s)	Pellets

Resin Properties

	Typical Value (English)	Typical Value (English)	Test Method
Density	0.923 g/cm ³	0.923 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	230 °F	110 °C	Proprietary Method

Film Properties

Tensile Strength at Yield MD	1500 psi	11 MPa	ASTM D882
Tensile Strength at Yield TD	1600 psi	11 MPa	ASTM D882
Tensile Strength at Break MD	3400 psi	24 MPa	ASTM D882
Tensile Strength at Break TD	2500 psi	17 MPa	ASTM D882
Elongation at Break MD	150 %	150 %	ASTM D882
Elongation at Break TD	520 %	520 %	ASTM D882
Secant Modulus MD — 1% Secant	30000 psi	207 MPa	ASTM D882
Secant Modulus TD — 1% Secant	35000 psi	241 MPa	ASTM D882
Dart Drop Impact	90 g	90 g	ASTM D1709A
Elmendorf Tear Strength MD	350 g	350 g	ASTM D1922

Elmendorf Tear Strength TD	160 g	160 g	ASTM D1922
Optical Properties			
Gloss (45°)	72	72	ASTM D2457
Haze	6.0 %	6.0 %	ASTM D1003

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