

Qplast™

QPLD 219B

Low Density Polyethylene

Qplast™ QPLD 219B is a blown film grade designed to deliver an optimal balance of optical clarity and strength, making it ideal for general-purpose clear film applications.

Supplier	
Additive	Antiblock: No; Slip: No; Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> • Blend Partner • Bread Bags • Form Fill and Seal Packaging • Cast Film • High Clarity Film • Lamination Film • Shrink Film • Food Packaging • Produce Bags • Textile Packaging
Form(s)	Pellets

Resin Properties

	Typical Value (English)	Typical Value (English)	Test Method
Density	0.924 g/cm ³	0.924 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	2.4 g/10 min	2.4 g/10 min	ASTM D1238
Peak Melting Temperature	235 °F	113 °C	Proprietary Method

Film Properties

Tensile Strength at Yield MD	1600 psi	11 MPa	ASTM D882
Tensile Strength at Yield TD	1900 psi	13 MPa	ASTM D882
Tensile Strength at Break MD	4000 psi	28 MPa	ASTM D882
Tensile Strength at Break TD	3400 psi	24 MPa	ASTM D882
Elongation at Break MD	270 %	270 %	ASTM D882
Elongation at Break TD	660 %	660 %	ASTM D882
Secant Modulus MD — 1% Secant	31000 psi	214 MPa	ASTM D882
Secant Modulus TD — 1% Secant	40000 psi	276 MPa	ASTM D882
Dart Drop Impact	80 g	80 g	ASTM D1709A
Elmendorf Tear Strength MD	510 g	510 g	ASTM D1922
Elmendorf Tear Strength TD	130 g	130 g	ASTM D1922

Optical Properties

Gloss (45°)	70	70	ASTM D2457
Haze	5.2 %	5.2 %	ASTM D1003

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