


Qplast™

QPLL H1180BF

Linear Low Density Polyethylene

Qplast™ QPLL H1180BF is a linear low-density polyethylene used in blown or cast film processes. Films produced with QPLL H1180BF feature exceptional tensile strength and toughness. Combined with excellent drawability, these qualities make QPLL H1180BF a highly versatile resin for packaging films.

Supplier	
Additive	Antiblock: No; Slip: No; Processing Aid: No; Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> • Ice Bags • Freezer Film • Trash Bags • Heavy Duty Bags
Form(s)	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)	1.0 g/10 min	1.0 g/10 min	ASTM D1238
Peak Melting Temperature	253 °F	123 °C	Proprietary Method

Film Properties

Tensile Strength at Yield MD	1000 psi	8 MPa	ASTM D882
Tensile Strength at Yield TD	1000 psi	8 MPa	ASTM D882
Tensile Strength at Break MD	9000 psi	60 MPa	ASTM D882
Tensile Strength at Break TD	5900 psi	41 MPa	ASTM D882
Elongation at Break MD	380 %	380 %	ASTM D882
Elongation at Break TD	800 %	800 %	ASTM D882
Secant Modulus MD — 1% Secant	20000 psi	130 MPa	ASTM D882
Secant Modulus TD — 1% Secant	22000 psi	150 MPa	ASTM D882
Dart Drop Impact	110 g	110 g	ASTM D1709A
Elmendorf Tear Strength MD	300 g	300 g	ASTM D1922
Elmendorf Tear Strength TD	690 g	690 g	ASTM D1922
Puncture Force	9 lbf	40 N	Proprietary Method
Puncture Energy	30 in-lb	3.4 J	Proprietary Method

Optical Properties

Gloss (45°)	88	88	ASTM D2457
Haze	2.2 %	2.2 %	ASTM D1003

Disclaimer

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