

Qplast™

QPLD O75B

Low Density Polyethylene

Qplast™ QPLD O75B is a low-density polyethylene resin with a fractional melt index, specifically designed for the protective film market. It is ideal for applications requiring exceptional optical properties and minimal gel levels.

Supplier



Additive

Antiblock: 0 ppm; Slip: 0 ppm

Applications

- Food packaging
- Collation Shrink
- Agricultural Films
- Lamination Films

Resin Properties

	Typical Value (English)	Typical Value (English)	Test Method
Density	0.924 g/cm ³	0.924 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	0.76 g/10 min	0.76 g/10 min	ASTM D1238

Film Properties

Tensile Strength at Yield MD	1600 psi	11 Mpa	ASTM D882
Tensile Strength at Yield TD	1600 psi	11 Mpa	ASTM D882
Tensile Strength at Break MD	2900 psi	20 MPa	ASTM D882
Tensile Strength at Break TD	2600 psi	18 MPa	ASTM D882
Elongation at Break MD	390 %	390 %	ASTM D882
Elongation at Break TD	520 %	520 %	ASTM D882
Secant Modulus MD — 2% Secant	23000 psi	159 MPa	ASTM D882
Secant Modulus TD — 2% Secant	24000 psi	163 MPa	ASTM D882
Dart Drop Impact	140 g	140 g	ASTM D1709A
Elmendorf Tear Strength MD	240 g	240 g	ASTM D1922
Elmendorf Tear Strength TD	260 g	260 g	ASTM D1922

Optical Properties

Gloss (45°)	56	56	ASTM D2457
Haze	9.0 %	9.0 %	ASTM D1003

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