


# Qplast™

## QPLD O25A1

### Low Density Polyethylene

QPLD O25A1 blown film resin is a fractional melt index grade specifically engineered for challenging heavy-duty film applications. It offers a combination of exceptional strength and superior processability.

Supplier	
Additive	Antiblock: 4000 ppm; Slip: No; Thermal Stabilizer: No
Applications	<ul style="list-style-type: none"> <li>• Blend Partner</li> <li>• Collation Shrink</li> <li>• Agricultural Film</li> <li>• Construction Film</li> <li>• Heavy Duty Bags</li> <li>• Pallet Shrink Film</li> </ul>

#### Resin Properties

	Typical Value (English)	Typical Value (English)	Test Method
Density	0.919 g/cm <sup>3</sup>	0.919 g/cm <sup>3</sup>	ASTM D1505
Melt Index (190°C/2.16 kg)	0.25 g/10 min	0.25 g/10 min	ASTM D1238
Peak Melting Temperature	230 °F	110 °C	Proprietary Method

#### Film Properties

Tensile Strength at Yield MD	1600 psi	11 MPa	
Tensile Strength at Yield TD	1500 psi	10 MPa	ASTM D882
Tensile Strength at Break MD	3500 psi	24 MPa	ASTM D882
Tensile Strength at Break TD	3000 psi	21 MPa	ASTM D882
Elongation at Break MD	100 %	100 %	ASTM D882
Elongation at Break TD	520 %	520 %	ASTM D882
Secant Modulus MD — 1% Secant	26000 psi	180 MPa	ASTM D882
Secant Modulus TD — 1% Secant	35000 psi	240 MPa	ASTM D882
Dart Drop Impact	180 g	180 g	ASTM D1709A
Elmendorf Tear Strength MD	340 g	340 g	ASTM D1922
Elmendorf Tear Strength TD	120 g	120 g	ASTM D1922

#### Optical Properties

Gloss (45°)	33	33	ASTM D2457
Haze	18.0 %	18.0 %	ASTM D1003

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