

## TECHNICAL DATASHEET

# LDPE QBL008AB

### PRODUCT DESCRIPTION

**QBL008AB** is a fractional melt index homopolymer LDPE resin designed for film applications requiring an excellent balance of clarity, stiffness, shrink and strength. QBL008AB is selected by customers for collation shrink films, pallet shrink films, packaging films and heavy-duty films where clarity and stiffness are important. QBL008AB contains an antioxidant.

TYPICAL PROPERTIES	ENGLISH		SI		TEST METHOD
	UNIT	VALUE	UNIT	VALUE	
<b>Physical</b>					
Melt Flow Rate, (190 °C/2.16 kg)	g/10 min	0.80	g/10 min	0.80	ASTM D1238
Base Resin Density, (23 °C)	g/cm <sup>3</sup>	0.9220	g/cm <sup>3</sup>	0.9220	ASTM D1505
Product Density, (23 °C)	g/cm <sup>3</sup>	0.9232	g/cm <sup>3</sup>	0.9232	ASTM D1505
<b>Film</b>					
Dart Drop Impact Strength, F50	g	150	g	150	ASTM D1709
Tensile Strength at Break (MD)	psi	3600	MPa	25	ASTM D882
Tensile Strength at Break (TD)	psi	3100	MPa	21	ASTM D882
Tensile Strength at Yield (MD)	psi	1600	MPa	11	ASTM D882
Tensile Strength at Yield (TD)	psi	1700	MPa	12	ASTM D882
Tensile Elongation at Break (MD)	%	400	%	400	ASTM D882
Tensile Elongation at Break (TD)	%	550	%	550	ASTM D882
1% Secant Modulus (MD)	psi	32000	MPa	220	ASTM D882
1% Secant Modulus (TD)	psi	36000	MPa	250	ASTM D882
Elmendorf Tear Strength (MD)	g	270	g	270	ASTM D1922
Elmendorf Tear Strength (TD)	g	290	g	290	ASTM D1922
<b>Optical</b>					
Haze	%	7.0	%	7.0	ASTM D1003
Gloss (45°)		72		72	ASTM D2457
<b>Additive</b>					
Slip		None		None	Producer Method
Antiblock	ppm	2000	ppm	2000	Producer Method

Notes: Data obtained from 2.0 mil film produced on a 2" extruder with a 4" die, 400°F melt temperature, 2.5:1 BUR, 0.025" die gap at 60 lbs/hr. These are typical property values not to be construed as specification limits.

LDPE  
LOW DENSITY  
POLYETHYLENE  
QBL008AB

# Qualitene<sup>TM</sup>

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## APPLICATION:

Bags & Pouches; Clarity Film; Film Wrap; Food Packaging Film; Heavy Duty Packaging; Industrial Film; Lamination Film; Shrink Film; Surface Protection Film

## PROCESSING METHOD:

Blown Film

## PROCESSING TECHNIQUES:

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

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