

TECHNICAL DATASHEET

LDPE QBL008

PRODUCT DESCRIPTION

QBL008 is a fractional melt index homopolymer LDPE resin designed for film applications requiring an excellent balance of clarity, stiffness, shrink and strength. QBL008 is selected by customers for collation shrink films, pallet shrink films, packaging films and heavy-duty films where clarity and stiffness are important. QBL008 contains an antioxidant.

TYPICAL PROPERTIES	UNIT	NOMINALVALUE	TEST METHOD
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	g/10 min	0.80	ASTM D1238
Base Resin Density, (23 °C)	g/cm ³	0.9220	ASTM D1505
Product Density, (23 °C)	g/cm ³	0.9220	ASTM D1505
Film			
Dart Drop Impact Strength, F50	g	150	ASTM D1709
Tensile Strength at Break (MD)	MPa	25	ASTM D882
Tensile Strength at Break (TD)	MPa	21	ASTM D882
Tensile Strength at Yield (MD)	MPa	11	ASTM D882
Tensile Strength at Yield (TD)	MPa	12	ASTM D882
Tensile Elongation at Break (MD)	%	400	ASTM D882
Tensile Elongation at Break (TD)	%	550	ASTM D882
1% Secant Modulus (MD)	MPa	220	ASTM D882
1% Secant Modulus (TD)	MPa	250	ASTM D882
Elmendorf Tear Strength (MD)	g	270	ASTM D1922
Elmendorf Tear Strength (TD)	g	290	ASTM D1922
Optical			
Haze	%	6.5	ASTM D1003
Gloss		72	ASTM D2457
Additive			
Slip		None	Producer Method
Antiblock		None	Producer Method

Data obtained from 50-micron film produced on a 50 mm extruder with a 100 mm die, 205°C melt temperature, 2.5:1 BUR, 0.635 mm die gap at 27 kg/hr. These are typical property values not to be construed as specification limits.

LDPE

LOW DENSITY
POLYETHYLENE
QBL008

QualiteneTM

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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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