

TECHNICAL DATASHEET

LDPE QBL040A

PRODUCT DESCRIPTION

QBL040A is a homopolymer low density polyethylene resin designed for film applications requiring premium clarity and stiffness. QBL040A is selected by customers for bread bags, light produce, food packaging, zipper bags and other packaging films enhanced by clarity and sparkle. QBL040A contains an antioxidant.

TYPICAL PROPERTIES	UNIT	NOMINALVALUE	TEST METHOD
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	g/10 min	4.0	ASTM D1238
Base Resin Density, (23 °C)	g/cm ³	0.9225	ASTM D1505
Product Density, (23 °C)	g/cm ³	0.9230	ASTM D1505
Film			
Dart Drop Impact Strength, F50	g	110	ASTM D1709
Tensile Strength at Break (MD)	MPa	21	ASTM D882
Tensile Strength at Break (TD)	MPa	19	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	210	ASTM D882
1% Secant Modulus (TD)	MPa	230	ASTM D882
Elmendorf Tear Strength (MD)	g	250	ASTM D1922
Elmendorf Tear Strength (TD)	g	250	ASTM D1922
Optical			
Haze	%	5.5	ASTM D1003
Gloss		75	ASTM D2457
Additive			
Slip	ppm	750	Producer Method
Antiblock	ppm	900	Producer Method

Notes: Data obtained from 50-micron film produced on a 50 mm extruder with a 100 mm die, 175°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
QBL040A

QualiteneTM

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APPLICATION:

Bags & Pouches; Clarity Film; Compounding; Film Wrap; Food Packaging Film; Lamination Film

PROCESSING METHOD:

Blown Film; Cast Film; Compounding

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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