Qualitene™

ENABLING A SUSTAINABLE FUTURE

TECHNICAL DATASHEET

LDPE QBL020A

PRODUCT DESCRIPTION

QBL020A is a series of homopolymer low density polyethylene resins designed for film applications requiring premium clarity with strength and stiffness. QBL020A is selected by customers for bread bags, light produce, food packaging, bubble wrap and other packaging films enhanced by clarity and sparkle. QBL020A contains an antioxidant.

TYPICAL PROPERTIES	ENGLISH		SI		TEST METHOD
	UNIT	VALUE	UNIT	VALUE	
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	g/10 min	2.0	g/10 min	2.0	ASTM D1238
Base Resin Density, (23 °C)	g/cm³	0.9225	g/cm³	0.9225	ASTM D1505
Product Density, (23 °C)	g/cm³	0.9231	g/cm³	0.9231	ASTM D1505
Film					
Dart Drop Impact Strength, F50	g	130	g	130	ASTM D1709
Tensile Strength at Break (MD)	psi	3000	MPa	21	ASTM D882
Tensile Strength at Break (TD)	psi	2700	MPa	19	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	35000	MPa	240	ASTM D882
Elmendorf Tear Strength (MD)	g	300	g	300	ASTM D1922
Elmendorf Tear Strength (TD)	g	300	g	300	ASTM D1922
Optical					
Haze	%	5.8	%	5.8	ASTM D1003
Gloss		75		75	ASTM D2457
Additive					
Slip	ppm	750	ppm	750	Producer Method
Antiblock	ppm	10000	ppm	1000	Producer Method

Notes: Data obtained from 2.0 mil film produced on a 2" extruder with a 4" die, 370°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.

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LOW DENSITY POLYETHYLENE QBL020A

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APPLICATION:

Clarity Film; Compounding; Film Wrap; Food Packaging Film; Lamination Film; Packaging Foam, and other Foam applications; Surface Protection 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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