

QuenchTek BG is a high-performance bone guard thermoforming film designed to protect against the toughest packaging challenges - sharp bones, irregular edges & cut surfaces common in bone-in meat, cured meat, and fresh meat applications. Manufactured using advanced German Water Quenching Technology, it delivers exceptional puncture resistance without compromising on clarity, formability, or shelf appeal.



Exceptional Puncture Resistance

Reduced Leaker Rates

IDEAL FOR PACKAGING

Bone-in Chicken

Bone-in Beef

Excellent Deep Draw Capability

Crystal-Clear Presentation

Lamb

Ham & Speck

Pork Ribs

TECHNICAL SPECIFICATIONS

PHYSICAL PROPERTIES		UNIT	TEST METHOD	130μ	280μ	300μ
Total Thickness		μm	ASTM F 2251	130 ± 5 %	280 ± 5 %	300 ± 5 %
Avg. GSM		g/m ²	ASTM E 252	130 ± 5%	280 ± 5%	300 ± 5%
Yield		m ² /kg	ASTM D 4321	7.69	3.57	3.33
Width		mm	BTPLM	Act Width (+1, -0mm)		
Tensile Strength	MD	kgf/cm ²	ASTM D 882	>250	>300	>300
	TD	kgf/cm ²	ASTM D 882	>230	>280	>280
Elongation	MD	%	ASTM D 882	>260	>320	>320
	TD	%	ASTM D 882	>280	>380	>380
Dart Impact Strength @152.4cm		g	ASTM D 1709	>1000	>1600	>1800
Puncture Resistance		N	DIN EN 14477	>7	>15	>18
COF F/F		-	ASTM D 1894	0.20 ± 0.10	0.20 ± 0.10	0.20 ± 0.10
COF F/M		-	ASTM D 1894	0.25 ± 0.10	0.25 ± 0.10	0.25 ± 0.10
Surface Tension Outer Side		dyne/cm	ASTM D 2578	>38	>38	>38
OPTICAL PROPERTIES						
Opacity (For Colored Film)		%	ASTM D 1003	>85	>85	>85
Haze (For Clear Film)		%	ASTM D 1003	<5	<10	<12
Gloss @ 60°		GU	ASTM D 2457	>110	>110	>110
THERMAL PROPERTIES						
Seal Strength		kg/15mm	ASTM F 88	>5.0	>8.5	>10
Peal Strength		N/15mm	ASTM F 88	<5.0	<5.0	<5.0
BARRIER PROPERTIES						
WVTR		gm/m ² /day	ASTM F 1249	<3	<1.2	<1.0
OTR		cm ³ /m ² .day	ASTM D 3985	<22	<10	<9

DISCLAIMER

- The guaranteed storage life of the packaging material is 12 months from the date of manufacture, unless the transport packaging of the pallets is damaged or the terms of transportation and storage are violated.
- Store under a roof that protects the product from direct sunlight, at 15–25°C and 40–60% relative humidity, and at least 1m from heating appliances.
- Traces of colour are permitted in the film if they are not visible in a single film sheet.