

Product Data - HDPE CuttingBoard



Solid Polymer Sheet for Food Applications

CuttingBoard is a solid, high-density polyethylene sheet for food applications. It is the product of a proprietary process called K-Stran, the most advanced manufacturing process for superior flatness and consistency. CuttingBoard has a natural matte finish on both sides of the sheet. The natural polyethylene color creates a clean and sanitary look that commercial food processing operations require. The non-porous surface does not absorb food odors and is easy to clean and sanitize. This CuttingBoard sheet is NSF listed to meet requirements of commercial food processing operations for direct and indirect food contact.

Applications

Buffets, butcher blocks, commercial and consumer cutting boards, food preparation and packaging, food processing components, salad bars

Typical Properties

Property	Test Method	Units	Values
PHYSICAL			
Density	ASTM D 1505	g/cc	0.955
MECHANICAL			
Tensile strength @ yield	ASTM D 638	psi	>4,100
Tensile modulus	ASTM D 638	psi	255,000
Elongation @ break	ASTM D 638	%	>600
Elongation @ yield	ASTM D 638	%	9.8
Flexural modulus	ASTM D 790	psi	185,000
Flexural stress @ 5% strain	ASTM D 790	psi	3,810
Compressive properties 10% strain	ASTM D 695	psi	4,950
Durometer	ASTM D 2240	Shore D	68
Tensile impact	ASTM D 1822	ft-lbs/in ²	115
Izod impact	ASTM D 256	ft-lbs/in ²	1.1
Screw and nail withdrawal	ASTM D 1761	lbs	657 & 63
THERMAL			
Vicat softening temperature	ASTM D 1525	°C (°F)	128°C (262°F)
Brittleness temperature	ASTM D 746	°C (°F)	< -76°C (-105°F)
Heat deflection temperature @ 66 psi	ASTM D 648	°C (°F)	99°C (210°F)
Flammability	UL94	Rating	HB

All values are determined on specimens prepared according to ASTM standards.

Nominal values should not be interpreted as specifications.

HDPE CuttingBoard® is made entirely from FDA and USDA approved material.

HDPE CuttingBoard® meets ASTM D4976.

HDPE CuttingBoard® is NSF LISTED for Standards 2 & 51.

The raw material used to make HDPE CuttingBoard® does not contain BPA's or Phthalates.

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