

Technical data sheet

Polystone® G Cut-Rite 51 (HDPE) Virgin Natural

Product characteristics

- High chemical resistance
- Easy to machine and weld

Typical field of application

- Food cutting boards

Physical Properties	tested method	unit	value
Specific Gravity	D792	g/cm ³	0.955
Water Absorption	D570	%	≤0.10
Mechanical Properties	tested method	unit	value
Hardness	D785	Shore D	65
Tensile Strength at yield 73 °F	D638	psi	4,000
Izod Impact, Notched	D256	ft-lb/in	3.5
Coefficient of Friction, Dynamic	-	-	0.20-0.29
Thermal Properties	tested method	unit	value
CTE, linear	D696	in/in/°F	6x10 ⁻⁵
Maximum Service Temperature, Air	-	°F	180
Flammability, UL 94	-	1/8 inch	HB
Compliance Properties	tested method	unit	value
FDA	-	-	Yes
NSF	-	-	Yes
USDA	-	-	Yes

The data stated above are average values ascertained by statistical tests on a regular basis. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.