

## Technical Data Sheet

# Polystone® G virgin black - ASTM

### Typical characteristics

- Easy to machine and weld
- Chemical resistance
- Good mechanical properties

### Typical industries

- Costruzione di serbatoi e impianti chimici
- Ingegneria meccanica e impiantistica
- Edilizia
- Aquafarming
- Dell'acqua potabile e delle acque reflue
- Plastics for chemical storage tanks

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	ASTM D792	g / cm <sup>3</sup>	0.953
Water Absorption	ASTM D570	%	<0.10
<b>Mechanical properties</b>			
Hardness	ASTM D2240	Shore D	65
Tensile Strength at yield 73°F	ASTM D638	psi	4000
Elongation at Break	ASTM D638	%	>500
Flexural Strength	ASTM D790	psi	181000
Izod Impact, Notched	ASTM D256	ft-lb/in	3.5
Coefficient of Friction, Dynamic			0.20-0.29
<b>Thermal properties</b>			
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 <sup>-5</sup>	6
Melting Point		°F	268
Maximum Service Temperature, Air		°F	180
Heat Deflection Temperature 264psi	ASTM D648	°F	165
Flammability, UL94		1/8 inch	HB
<b>Electrical properties</b>			



	Test method	Unit	Guideline value
Dielectric constant	ASTM D150	1MHz	2.4
Surface resistivity	ASTM D257	Ω/cm	>10 <sup>14</sup>
<b>Compliance properties</b>			
FDA			No
NSF			No
USDA			No

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.

