

Technical Data Sheet

Polystone[®] G virgin UV-stabilized natural - ASTM

Typical characteristics

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

Typical industries

- Výroba nádrží a zařízení pro chemický průmysl
- Stavba strojů a zařízení
- Stavební průmysl
- Akvakultura
- Technologie pitné a odpadní vody
- Skladovací nádrže

	Test method	Unit	Guideline value
General properties			
Density	ASTM D792	g / cm ³	0.955
Water Absorption	ASTM D570	%	<0.10
Carbon Black Content	ISO6964	%	n/a
Mechanical properties			
Tensile Strength at Yield	ASTM D638	psi	4000
Hardness	ASTM D2240	Shore D	65
Tensile Modulus	ASTM D638	psi	217000
Tensile Elongation	ASTM D638	%	>700
Flexural Strength	ASTM D790	psi	210000
Izod Impact, Notched	ASTM D256	ft-lb/in	3.5
Coefficient of Friction, Dynamic			0.20-0.29
Thermal properties			
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 ⁻⁵	6
Melting Point		°F	268
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	165
Brittleness Temperature	ASTM D746	°F	-103
Flammability, UL94		1/8 inch	HB
Compliance properties			



	Test method	Unit	Guideline value
FDA			No
NSF			No
USDA			No
ASTM Approval			D-4976

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.



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