

Technisches Datenblatt

Polystone[®] ABS - ASTM

Typische Eigenschaften

- Hohe Festigkeit
- Gute Schlagzähigkeit
- Chemikalienbeständigkeit

	Testverfahren	Einheit	Wert
Allgemeine Eigenschaften			
Dichte	ASTM D792	g / cm ³	1.03
Water Absorption	ASTM D570	%	0.3
Mechanische Eigenschaften			
Tensile Strength at yield 73°F	ASTM D638	psi	5600
Tensile Modulus	ASTM D638	psi	301000
Flexural Modulus	ASTM D790	psi	313000
Rockwell Hardness	ASTM D785	R	102
Izod Impact, Notched	ASTM D256	ft-lb/in	8.0
Coefficient of Friction, Dynamic			0.35
Thermische Eigenschaften			
CTE, linear	ASTM D696	in/in/°F	4.89x10 ⁻⁴
Maximum Service Temperature, Air permanent		°F	222
Heat Deflection Temperature 264psi	ASTM D648	°F	168
Flammability, UL94		1/8 inch	HB
Elektrische Eigenschaften			
Dielektrizitätszahl	ASTM D150	1MHz	3.2
Durchschlagfestigkeit	ASTM D149		450
Oberflächenwiderstand	ASTM D257	Ω/cm	10 ¹⁴
Compliance properties			
FDA			Yes
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.



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