

### Technical Data Sheet

# Polystone<sup>®</sup> P copolymer EHS grey - ASTM

#### Typical characteristics

- High rigidity
- Very good weldability
- Corrosion resistance

#### Typical industries

- Aquafarming
- Tecnologia per le camere bianche
- Dell'acqua potabile e delle acque reflue
- Costruzione di serbatoi e impianti chimici
- Plastics for chemical storage tanks
- Impianti galvanici
- Impianti di decapaggio dell'acciaio
- Impianti di ventilazione
- Impianti di depurazione dei gas di scarico

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	ASTM D792	g / cm <sup>3</sup>	0.91
Water Absorption	ASTM D570	%	<0.10
Carbon Black Content	ISO6964	%	n/a
<b>Mechanical properties</b>			
Tensile Strength at Yield	ASTM D638	psi	3500
Hardness	ASTM D2240	Shore D	69
Tensile Elongation	ASTM D638	%	>300
Flexural Modulus	ASTM D790	psi	155000
Compressive Strength	ASTM D695	psi	4000
Izod Impact, Notched	ASTM D256	ft-lb/in	8
Coefficient of Friction, Dynamic			0.25-0.28
<b>Thermal properties</b>			



	Test method	Unit	Guideline value
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 <sup>-5</sup>	6
Melting Point		°F	323
Maximum Service Temperature, Air		°F	230
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	210
Deflection Temperature at 1.8Mpa (66psi)	ASTM D648	°F	217
Flammability, UL94		1/8 inch	HB
<b>Electrical properties</b>			
Dielectric constant	ASTM D150	1MHz	2.5
Dielectric strength	ASTM D149		45
Surface resistivity	ASTM D257	Ohm/cm	>10 <sup>14</sup>
<b>Compliance properties</b>			
FDA			Yes
NSF			No
USDA			Yes
ASTM Approval			D-4101

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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