Technical Data Sheet

Polystone® ECTFE natural

E-CTFE

Typical characteristics

- Chemical resistant
- High purity
- Smooth surface

Typical industries

- Chemical Processing Industry
- Chemical storage tanks
- Clean-Room Technology
- Electronics
- Semiconductor Industry
- Semiconductor factory equipment
- Semiconductor Front-End applications
- Semiconductor Front-End Wet Bench

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	>1,65
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	>30
Elongation at break	DIN EN ISO 527	%	>50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	>1600
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,15 (*)
Service temperature, long term	Average	°C	-70...150 (*)
Service temperature, short term (max.)	Average	°C	-60...180 (*)
Electrical properties			
Arc resistance	IEC 60093	degree	L4 (*)

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale. (*) literature values

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INTEGRATED MANAGEMENT SYSTEM