

## Technical Data Sheet

# Polystone<sup>®</sup> 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
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	>1,65
<b>Mechanical properties</b>			
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
<b>Thermal properties</b>			
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 (*)
<b>Electrical properties</b>			
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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