

Technical Data Sheet



Polystone[®] P HG EHS white extruded

PP-H

Typical characteristics

- Good sterilisation resistance
- High rigidity
- ISO 10993-5 tested on semi-finished product
- Corrosion resistant
- Chemical resistant

Typical industries

- Healthcare

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	0,92
Mechanical properties			
Elongation at break	DIN EN ISO 527	%	40
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1500
Tensile strength	DIN EN ISO 527	MPa	35
Notched impact strength	DIN EN ISO 179	kJ / m ²	4,5
Ball indentation hardness	DIN EN ISO 2039-1	MPa	80
Hardness	DIN EN ISO 868	Shore D	75
Thermal properties			
Melting temperature	ISO 11357-3	°C	163

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

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