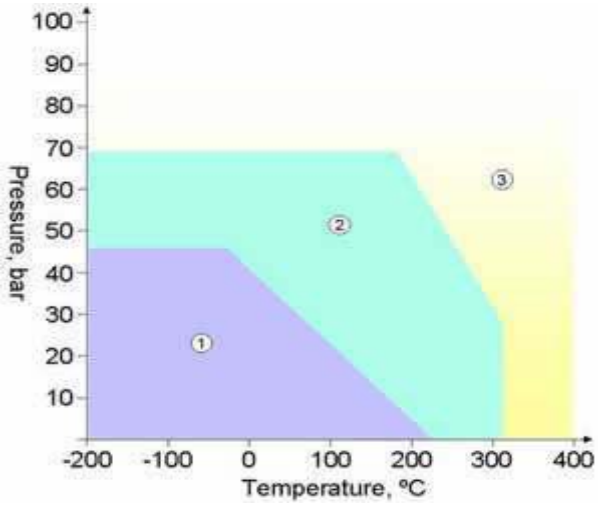
Bestobell Graphite SLS

Material Description	Pure exfoliated graphite with a stainless steel foil reinforcement for improved handling and load bearing characteristics.
Material Grade	Graphite SLS
Material Composition	Pure exfoliated graphite with a smooth stainless steel foil reinforcement
Colour	Grey both sides
General Properties	Excellent resistance to steam Resistant to virtually all media Outstanding resistance to high and low temperature High Compressibility Good Leakage Properties Unlimited storage life Easy to cut
Tests and Certificates	BAM Approval for use with oxygen 130 bar/200ºC WRc Approval DIN DVGW NG-5124AT0417 Firesafe according to BS 5146

Typical Properties	Unit	Specified
Density	g/cm ³	1
Stress Relaxation a) DIN52913 - 50MPa, 16h/300ºC	 MPa	 48
Compressibility (ASTM F36A)	%	40
Recovery (ASTM F36A)	%	15
Hot/Cold Compression 50 MPa Thickness decrease at 23ºC Thickness decrease at 300ºC	 % %	 40 1.5
Gas leakage according to DIN 3535/6		<0.5ml/min
Chlorides (Soluble)		<40ppm
Flouride and Chloride Content		<200ppm
Purity		Min. 98%



1 Usually satisfactory without reference
2 Usually satisfactory
3 Caution: May be suitable

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