		rsh works, de I, west yorksh	EWSBURY R	OAD 5BT				
PRODUCT REFERENCE:	FLEXITALLIC SIGMA 5	33						
DESCRIPTION:	SIGMA 533 is a high pe PTFE with barium sulph			tated sh	eet sealing	g material	cont	
COLOUR:	White							
SERVICE:	Suitable for sealing all c molten alkali metals, flu 75 % and at temperatur	orine gas, anh	ydrous HF					
	Maximum recommende	:	260°C (500°F)					
	Maximum recommende		8.5 MPa (85 bar; 1235 psi)					
	These temperature and may not apply at all thic		es cannot	necessa	rily be use	ed simultar	neou	
	Complies with the requirements of FDA regulations.							
	Do NOT use gasket pas	stes.						
TYPICAL PHYSICAL	PROPERTIES:							
	Thickness		mm	0.8	1.5	2.0		
	Density ASTM Compressibility ASTM Recovery ASTM Tensile Strength DIN Residual Stress @ DIN Gas Permeability ASTM Liquid Leakage; ASTM Creep Relaxation	175ºC Fuel A 50 psi	gcm ⁻³ % MPa MPa mL/min mL/hr %	2.9 11 46 16 35 0.01 2 17	2.9 8 43 15 28 0.01 1.8 33	2.9 8 43 15 24 <0.1 3 40		
AVAILABILITY:	Sheet size:	Sheet size: 2.0 m x 2.0 m For larger sizes, welded gaskets are available.						
	Thickness range:	0.75 mm to Other thick		ay be av	ailable on	request.		

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HEALTH AND SAFETY

Because of the processes which take place during manufacture, the product is believed to present no health and safety hazard and, under normal handling and use it is unlikely that the product will give rise to significant levels of exposure to constituent materials.

SIGMA 533 contains PTFE and barium sulphate.

Under harsh mechanical treatment (e.g. high speed stamping operations or abrasion) the constituents may give rise to irritant dusts which, in extreme cases of exposure, could lead to more serious respiratory problems. Occupational exposure to such dusts should therefore be minimised and kept below relevant national exposure limits. Good standards of hygiene should be applied during gasket cutting operations and off-cuts should be disposed of by transfer to a site appropriately licensed to accept industrial materials of this nature.

Although the filler and polymeric binder are non-flammable, at elevated temperatures or in a sustained fire, decomposition will occur and give rise to irritant and in some instances harmful or toxic fumes.

For more detailed information, reference must be made to our Health and Safety Bulletin, Sections 1, 2, 2.9 (barium sulphate), 2.10, 3 and 3.4. This will enable you to carry out any necessary assessment of risk which may be required under national or local legislation.