



TECHNICAL DATA SHEET

Material:	Dryden FS media Alkali Resistant Media	
Uses:	In the filtration of highly alkaline process liquors for which silica based media are unsuitable because of their solubility at high pH values. FS may be used up to pH 13 but should not be used below pH 8. This product is unsuitable for use with potable water.	
Appearance	Black glassy angular granular solid.	
Physical Properties:	Specific Gravity	3.50.
	Bulk density	1700 kg. m ⁻³
	Hardness	7 Moh
	Grain Shape	Angular
	Attrition loss after 100 hrs. backwash	2% maximum
	Unconsolidated Porosity	0.45
Chemical Properties	An iron silicate with the following typical chemical analysis.	
	Silica as SiO ₂	33 - 38%
	Alumina as Al ₂ O ₃	3 - 5%
	Iron as FeO	38 - 45%
	Calcium as CaO	2 - 6%
	Magnesium as MgO	1 - 3%
Sizes Available:	FS can be produced in a range of sizes between 0.25 mm. and 2.00 mm.: Most popular are 0.5 - 1.00 mm., and 0.65 - 2.00 mm. All grades are produced to a tolerance of maximum 5% oversize and 5% undersize	
Packing.	FS of all grades is supplied in 25 kg. bags palletised and shrink-wrapped or in bulk bags.	