BA Fluoropolymers Limited

Technical Data Sheet : ETFE M20XL

Material	X Linkable Ethylene Tetra-Fluoro-Ethylene Co-Polymer
General Qualities	ETFE pellet with additives to achieve a X-linked structure after irradiation. Suitable mainly for wire and cable. Chemically inert, except top molten alkali metals, very high pressure fluorine and CF_4. High flex crack resistance, high radiation resistance
Packaging Storage and Transport	PE bags inside rigid circular drums, 25kg net/drum Labels : quality certificate, brand, trademark, type, grade, lot, weight of contents, pack date. Store in clean, dry warehouse. Avoid excessive heat, cold, moisture, and rough handling.

Material Properties	Typical properties - Testing according to ASTM			
Tensile Strength	D638	Before Irradiation	≥45	MPa
		After Irradiation	≥35	MPa
Elongation at Break	D638	Before Irradiation	≥200	%
		After Irradiation	≥100	%
Bulk Density	D1895		≈1.2	g/l
Material Density	D792		1.77 +/- 0.03	g/cc
Maximum Continuous Operating Temperature	D3418		200	°C
MFR	D2116 /D1238		20 +/- 5	g/10min
Volume Resistance	D257		>1x10^{15}	Ωcm

Safety	If heating above 250 °C, small amounts of decomposition products can fume to give HF gas. Avoid inhalation of these fumes. Processing equipment and surrounding area should be adequately ventilated. Smoking must be avoided. Avoid inhalation or eye contact with airbourne dust. If this happens, irrigate immediately and seek medical advice.