BA Fluoropolymers Limited

Technical Data Sheet : PFA P4J

Material	Perfluoroalkoxy
General Qualities	Chemically modified P2J to give a specialist resin. End-capped to give fully fluorinated terminal groups, minimal presence of fluoride or metal ions. Ultra high purity suitable for semi-conductor and other applications where ionic activity must be at a minimum. Chemically inert except to molten alkali metals, high temp and press fluorine and CF_4
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	≥30	MPa
Elongation at Break	D638	≥300	%
Bulk Density	D1895	≈1.2	g/l
Material Density	D792	2.15 +/- 0.03	g/cc
Hardness	D2240	55+/-5	Shore D
Melting Point	D3418	305±5	°C
MFR	D2116 /D1238	3-6	g/10min
Volume Resistance	D257	$>1x10^{17}$	Ωcm
Surface Resistance	D257	$>1x10^{17}$	Ω
Dielectric Strength	D149	35	kV/mm
Dielectric Constant	D150	2.0	

Safety	If heating above 290 °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 powder. If this happens, irrigate immediately and seek medical advice.