

## TECHNICAL DATASHEET

### EP2022 / HT870 / HT800 / HT820 / HT840

**Material Description:**

The HT800 series silicone foams offer full line UL94 HF1 and V0 rating and meet aerospace and other requirements for flame resistance, flame spread, optical smoke density and toxic gas emissions. EP2022 is an ultra soft UL 94 rated silicone foam.

Property	Typical Value				
	EP2022	HT870	HT800	HT820	HT840
Density (kg/m <sup>3</sup> )	160	240	352	368	432
Width (mm)	To 915				
Colour	Black	Black	Black/Grey	Grey	Grey
Structure	Mixed Cell				
Thickness (mm)	3.2 to 12.7	1.6 to 12.7	0.8 to 12.7	0.8 to 6.4	1.6 to 6.4
Temperature Range (°C)	-55 to 200				
Tensile Strength (kPa) - ASTM D 412	172	207	310	345	414
Compression Force Deflection 25% deflection (kPa) - ASTM D 1056	10	27.6	62	110	151
Compression Set @ 70°C - ASTM D 1056	< 1%				
Elongation (%) ASTM D 412	80	90	80	55	60
Thermal Conductivity (W/m.K) - ASTM C 518	0.05	0.07	0.09	0.11	0.12
Water Absorption (%)	-	2.5	1.40	0.80	0.20

**Meets:**

- FAR 25-853 (a)(1)(ii)
- UL94 HF1 & V0
- AMS 3195 (HT800)