

TECHNICAL DATASHEET HT800 / HT820 / HT840 / EP2022

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

Meets:

- FAR 25.853
- UL94 HF1 & V0
- AMS 3195 (HT800)
- AMS 3196 (HT820)