

AUBURN PRODUCT NEWS

Auburn Manufacturing Company
29 Stack Street, Middletown, CT 06457
Customer Service: (800) 427-5387
Tel: (860) 346-6677 Fax: (860) 346-1334
Email: info@auburn-mfg.com Website: www.auburn-mfg.com

HT-6210 and HT-6220 SOFT SOLID SILICONE

HT-6210 and HT-6220 are low durometer solid silicones formulated to be a transition between a firm silicone sponge and traditional medium hardness Shore A durometer material. The unique product softness is designed into the product enabling the material to solve sealing and design issues within various industrial markets. HT-6210 and HT-6220 are available in various thicknesses and roll forms and can be easily die cut into specific shapes to create gaskets and seals with tight tolerances and clean cut edges.

Features and Benefits

- Soft and compressible for superior sealing performance.
- Flexible, yet durable enough to perform under stringent conditions.
- Tight thickness tolerances for greater reliability.
- Wide temperature range means the material will work in harsh environments.

Applications

- Underwater lighting gaskets
- Digital camera lens gasket
- Battery hatch seals

Silicone HT-6210 and HT-6220 Typical Physical Properties at 1/16" (1.59 mm) thick			
Property	Test Method	Typical Value	
Thickness		0.010" (0.25 mm)	
		0.020" (0.50 mm)	
		0.031" (0.79 mm)	
		0.063" (1.59 mm)	
		0.125" (3.18 mm)	
Durometer, pts	ASTM D 2240	10	20
Tensile, psi	ASTM D 412	250	800
Elongation, %	ASTM D 412	500	650
Tear Resistance, ppi	ASTM D 624	25	55
Compression Set, % (70 hrs @ 30°F, 25% compression)	ASTM D 395	30	30
Temperature (continuous)	Internal	-80°F to 425°F (-62°C to 218°C)	
Color		Gray	Black

Material Options

- Material is available with an acrylic or silicone pressure sensitive adhesive applied to one or both surfaces at greater than 0.031" (0.79 mm) thickness.

Note: The technical information and data provided here should be considered representative or typical only and should not be used for specification purposes. User should evaluate this product to determine whether it is fit for a particular purpose and suitable for user's method of application.

HT-6210 and HT-6220 SOFT SOLID SILICONE (continued)

Standard Thickness Tolerance	
Standard Thickness (Inches)	Tolerance (Inches)
≤ 0.014	± 0.002
0.015 - 0.025	+ 0.003, -0.002
0.026 - 0.040	± 0.004
0.041 - 0.094	± 0.006
0.095 - 0.145	± 0.008

Width Tolerance	
Nominal Width (Inches)	Tolerance (Inches)
0 < T ≤ 3	± 0.063
3 < T ≤ 8	± 0.094
8 < T ≤ 12	± 0.125
12 < T ≤ 18	± 0.188
18 < T ≤ 26	± 0.219
> 36	± 0.313

Notes:

1. *All metric conversions are approximate.*
2. *Additional technical information is available.*
3. *Samples are available with or w/out adhesive*