

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

NEW HT-6240 TRANSPARENT SOLID SILICONE

HT-6240 transparent material is a clear solid silicone formulated to be a 40 durometer shore A material. Unique product clarity designed into the product enables the material to solve aesthetic and design issues within various industrial and handheld device markets. **HT-6240** transparent material is available in various thicknesses and manufactured in roll form to allow it to be easily converted (die cut) into gaskets and seals with tight tolerances and clean cut edges.

Features and Benefits

- Excellent product clarity provides a solution for aesthetic issues.
- Good tear resistance for gasket
- Excellent physical properties means the material will exhibit excellent long term durability.
- Tight thickness tolerances for greater reliability.

Applications

- Architectural lighting gaskets
- Handheld device gaskets
- Cell culture plates

Silicone HT-6240 – Typical Physical Properties at 1/16" 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	40
Tensile, psi	ASTM D 412	1000
Elongation, %	ASTM D 412	450
Tear Resistance, ppi	ASTM D 624	125
Compression Set, % (70 hrs @ 30°F, 25% compression)	ASTM D 395	30
Temperature (continuous)	SAE J-2236	-80°F to 425°F (-62°C to 218°C)
Color		Transparent

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-6240 TRANSPARENT 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