



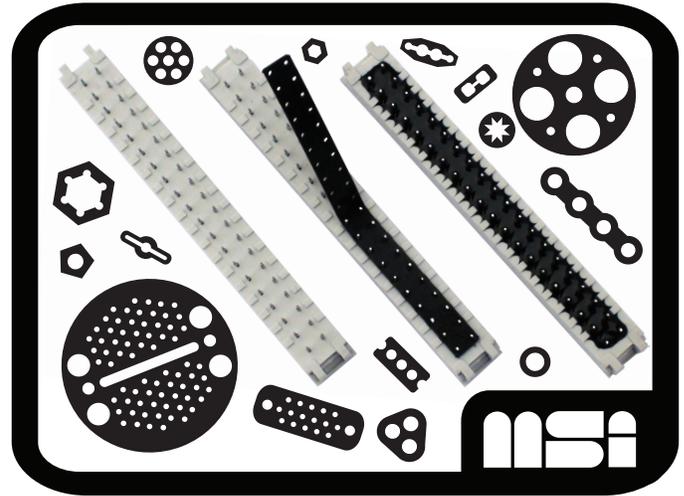
# F08 FLEXIBLE ADHESIVE

**MULTI-SEALS F08 POLY-FORMS** are flexible pre-shaped adhesives designed for bonding diverse materials, including metals, plastics, and glass. When heated, F08 has initial flow properties that allow the adhesive to spread into narrow interfaces and around complex features. When the adhesive sets, any further flow is restricted. The pre-shaped copolymer prevents drips and dispensing inconsistencies typical of liquid adhesives. Adhesive placement is highly consistent seal to seal and bond to bond. The durability and flexibility of F08 Poly-Forms facilitate manual and automated handling for increased production rates. F08 can be pre-shaped in multiform configurations to accommodate a broad range of applications.

**PROCESSING INSTRUCTIONS:** The temperature and time required to process F08 depend upon component and fixture materials, mass, and the location of the Poly-form within the assembly. For most applications, 350°F (175°C) for 20 minutes will stabilize flow. Lower processing temperatures and shorter schedules are also available, as shown in the chart below.

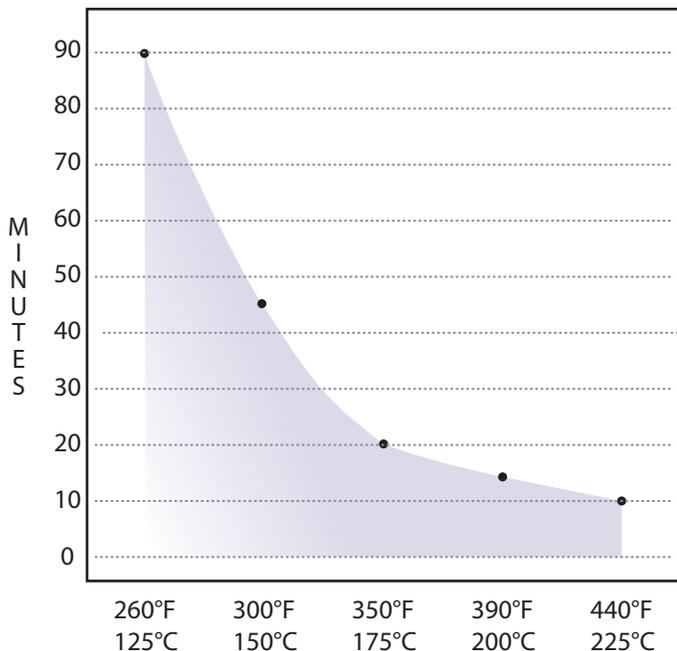
For most applications, we recommend the use of forced convection ovens for processing F08. When using static air ovens, recommended processing times should be doubled. Recommended cure schedules are for the adhesive only. Place thermocouples throughout the oven to determine the influence of component mass on oven temperature and recovery time, and adjust cure schedule as required to ensure full cure.

**STORAGE:** Store F08 in closed containers with desiccant. Refrigerate to maintain flow. After refrigeration, allow material to reach ambient temperature before opening containers to prevent condensation and moisture contamination. Handle cold parts with care to avoid breakage from bending.



TYPICAL PROPERTIES of F08	
Softening Temperature	103°F/39°C
Tack Temperature	143°F/62°C
Melt Temperature	205°F/96°C
<b>prepared at 325°F/163°C for 30 minutes</b>	
Water Absorption (weight %, 24 hrs)	0.35
Shore D Hardness @ 70°F/21°C	59

**TIME AND TEMPERATURE for F08 FLOW STABILIZATION**



TYPICAL ADHESIVE STRENGTHS of F08 in psi	
<b>prepared at 325°F/163°C under 5 psi for 30 minutes</b>	
Lap Shear, Aluminum to Aluminum @ 70°F/21°C	2,100
Lap Shear, Stainless Steel to Stainless Steel @ 70°F/21°C	2,400
Facewise Tensile, Stainless to Stainless @ 50°F/10°C	5,700
Facewise Tensile, Stainless to Stainless @ 70°F/21°C	4,200
Facewise Tensile, Stainless to Stainless @ 90°F/32°C	3,300
Facewise Tensile, Stainless to Stainless @ 110°F/43°C	2,600
Facewise Tensile, Stainless to Stainless @ 130°F/54°C	2,100
Facewise Tensile, Stainless to Stainless @ 150°F/66°C	1,700
Facewise Tensile, Stainless to Stainless @ 170°F/77°C	1,000
Facewise Tensile, Stainless to Stainless @ 200°F/93°C	600

PLEASE NOTE: Data expressed are averages of test data. Upper and lower limits have not yet been determined. This information is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the persons receiving it shall make their own tests to determine the suitability thereof for their particular purpose.