

Name Automotive Grade Medium Silicone Foam
Code 30-SIL-MFM
Spec GMW16392 Class 2, Type 2

1. DIMENSIONS AND APPEARANCE

Thickness	in	1/16 - 1/2
Length	ft	25 - 100
Width	in	36
Surface finishing		Fabric finish, both sides
Cell structure		Closed cell
Color		Red/orange

2. PHYSICAL PROPERTIES, typical

Property	Unit	Requirement	Typical	Test Method
Compression deflection (25%)	kPa	41 to 97	67	ISO 3386
Density	kg/m ³	450 to 500	475	ISO 845
Compression set (24h, 100°C)	%	10 max.	3.7	ISO 6916-1
Tensile strength	kPa	165 min.	840	ISO 1798
Elongation	%	50 min.	220	ISO 1798
Water absorption (no vacuum)	%mass	5 max.	0.8	ISO 6916
Water impermeability, unaged	No leaks	No leaks	No leaks	GMW17650
Water impermeability, aged	No leaks	No leaks	No leaks	GMW17650
RESS* compression set	%	10 max.	3.7	GMW16392
RESS* water impermeability	No leaks	No leaks	No leaks	GMW16392
Working temperature range	°C (°F)	-75 to 232 (-103 to 450)	-	-

*RESS = Rechargeable Energy Storage Systems

3. TOLERANCES

TARGET THICKNESS, in (mm)	MINIMUM, mm	MAXIMUM, mm
1/16 (1.6)	1.30	1.90
3/32 (2.4)	2.10	2.70
1/8 (3.2)	2.80	3.60
3/16 (4.8)	4.40	5.20
1/4 (6.4)	6.00	6.80
3/8 (9.5)	9.00	10.00
1/2 (12.7)	12.20	13.20

Length tolerance +free / -0

Width tolerance +free / -0