

#10-930

Low Modulus (Semi-Soft) Urethane Foam

Description:

A highly versatile, medium firmness silicone that offers the lightness of a foam, with the enhanced sealing capabilities of a traditional sponge rubber. It is used to seal and protect various outdoor communication electronics, and lighting enclosures, while providing protection against wind driven rain and fire. The material is also used to reduce shock or isolated vibration. It is available in various thicknesses and manufactured in roll form to allow fabricators to easily convert the material to the proper dimension. Thickness Range: .062" to .500"

Typical Properties:

		Test Method
Density	20 lbs/ft.3 (320kg/m3)	ASTM D-3574-95
Force to Compress 25%	5psi (35kPa)	ASTM D-1056
Hardness (Shore A)	5	ASTM D-2240
Water Absorption	2%	AMS 3568-95
Tensile Strength	50psi (346 kPa)	ASTM D-3574-75
Elongation	155%	ASTM D-3574-75
Recommended Constant Use Temp.	194°F (90°C)	SAE J-2236
Recommended Intermittent Use Temp.	250°F (121°C)	ASTM D-746-98
Flammability	Pass	UL 94HB
Flammability	Pass	FMVSS302
UV Resistance	Good	SAE J-1960
Colors	Black	

Engineering Standards:

GM: None Given

Ford: WSS-M2D496 A2 (20lb Density)

Chrysler: MS-AY549 <7> (20lb Density)

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#10-940 Low Modulus (Semi-Soft) Urethane Foam

Description:

A highly versatile, medium firmness silicone that offers the lightness of a foam, with the enhanced sealing capabilities of a traditional sponge rubber. It is used to seal and protect various outdoor communication electronics, and lighting enclosures, while providing protection against wind driven rain and fire. The material is also used to reduce shock or isolated vibration. It is available in various thicknesses and manufactured in roll form to allow fabricators to easily convert the material to the proper dimension. Thickness Range: .062” to .500”

Typical Properties:

		Test Method
Density	20 lbs/ft.3 (320kg/m3)	ASTM D-3574-95
Force to Compress 25%	11psi (76kPa)	ASTM D-1056
Hardness (Shore A)	12	ASTM D-2240
Water Absorption	2%	AMS 3568-95
Tensile Strength	95psi (657 kPa)	ASTM D-3574-75
Elongation	155%	ASTM D-3574-75
Recommended Constant Use Temp.	194°F (90°C)	SAE J-2236
Recommended Intermittent Use Temp.	250°F (121°C)	ASTM D-746-98
Flammability	Pass	UL 94HB
Flammability	Pass	FMVSS302
UV Resistance	Good	SAE J-1960
Colors	Black	

Engineering Standards:

- GM: 6098M Type II (20lb Density)
- Ford: WSS-M2D496 A5 (20lb Density)
- Chrysler: MS-AY549 <1> (20lb Density)

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#10-950 High Modulus (Robust) Urethane Foam

Description:

Open cell, energy absorbing, microcellular urethane foam. Superb sound and shock absorbing properties. High density and hardness for the most demanding rattle and vibration isolation applications. Low compression set (collapse resistant), eases your “Life of Vehicle” concerns.

Thickness Range: 1.2mm (.063”) to 12.7mm (.500”)

Typical Properties:

		Test Method
Density	20 lbs/ft.3 (320kg/m3)	ASTM D-3574-95
Force to Compress 25%	17psi (117kPa)	ASTM D-1056
Hardness (Shore A)	18	ASTM D-2240
Water Absorption	2%	AMS 3568-95
Tensile Strength	145psi (1003 kPa)	ASTM D-3574-75
Elongation	135%	ASTM D-3574-75
Recommended Constant Use Temp.	194°F (90°C)	SAE J-2236
Recommended Intermittent Use Temp.	250°F (121°C)	ASTM D-746-98
Flammability	Pass	UL 94HBF
Flammability	Pass	FMVSS302
UV Resistance	Good	ASTM G-53-96
Mildew/Bacterial Resistance	Good	ASTM G-21
Gasket & Sealing		UL JMST2
Colors	Black	UL JMST2

Engineering Standards:

GM: 6098M Type III (20lb Density)

Ford: WSS-M2D496 A7 (20lb Density)

Chrysler: MS-AY549 <4> (20lb Density)

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#10-960 High Modulus (Robust) Urethane Foam

Description:

Open cell, energy absorbing, microcellular urethane foam. Superb sound and shock absorbing properties. High density and hardness for the most demanding rattle and vibration isolation applications. Low compression set (collapse resistant), eases your “Life of Vehicle” concerns.

Thickness Range: 1.2mm (.063”) to 12.7mm (.500”)

Typical Properties:

		Test Method
Density	20 lbs/ft.3 (320kg/m3)	ASTM D-3574-95
Force to Compress 25%	62psi (428kPa)	ASTM D-1056
Hardness (Shore A)	42	ASTM D-2240
Water Absorption	2%	AMS 3568-95
Tensile Strength	275psi (1901 kPa)	ASTM D-3574-75
Elongation	75%	ASTM D-3574-75
Recommended Constant Use Temp.	194°F (90°C)	SAE J-2236
Recommended Intermittent Use Temp.	250°F (121°C)	ASTM D-746-98
Flammability	Pass	UL 94HBF
Flammability	Pass	FMVSS302
UV Resistance	Good	ASTM G-53-96
Mildew/Bacterial Resistance	Good	ASTM G-21
Gasket & Sealing		UL JMST2
Colors	Black	UL JMST2

Engineering Standards:

GM: None Given

Ford: WSS-M2D496 A10 (20lb Density)

Chrysler: MS-AY549 <8> (20lb Density)

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#10-992**Low Modulus (Extra Soft) Urethane Foam****Description:**

Extra soft, slow rebound with the lowest closure force that offers the lightness of a foam, with the enhanced sealing capabilities of a traditional sponge rubber. It is used to seal and protect various outdoor communication electronics, and lighting enclosures, while providing protection against wind driven rain and fire. The material is also used to reduce shock or isolated vibration. It is available in various thicknesses and manufactured in roll form to allow fabricators to easily convert the material to the proper dimension. Thickness Range: 0.021" to 0.500"

Typical Properties:

		Test Method
Density	15 lbs/ft.3 (240kg/m3)	ASTM D-3574-95
Force to Compress 25%	2psi (14kPa)	ASTM D-1056
Hardness (Shore "OO")	<5	ASTM D-2240
Water Absorption	2%	AMS 3568-95
Tensile Strength	30psi (207 kPa)	ASTM D-3574-75
Elongation	206%	ASTM D-3574-75
Recommended Constant Use Temp.	194°F (90°C)	SAE J-2236
Recommended Intermittent Use Temp.	250°F (121°C)	
Flammability	Pass	UL 94HB
Flammability	Pass	FMVSS302
Colors	Black	

Engineering Standards:

GM: 6098M

Ford: WSS-M2D496

Chrysler: MS-AY549

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