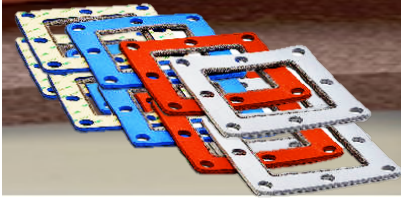


COHRLastic® Closed Cell Silicone Sponge



Specifications	R10400M	R10404	R10450	R10460	R10470M	R10470F	R10480S	R10480M	R10490			
AMS 3195	✓	x	x	✓	✓	x	x	✓	x			
AMS 3196	x	x	x	x	x	✓	x	x	x			
MIL-R-6130 Type 2, Grade B & C	x	x	x	✓	✓	✓	✓	✓	x			
MIL-R-46089	x	x	x	✓	✓	✓	x	✓	x			
BOEING BMS 1-23	x	x	x	✓	✓	x	x	✓	x			
BOEING BMS 1-60 Type I, Grade B	x	x	x	✓	x	x	x	x	x			
Douglas DMS 1597	x	x	x	✓	✓	✓	x	✓	x			
Douglas DMS 1980, Grade 2	x	x	x	✓	x	x	x	x	x			
MIL-R-6130 Type II, Grade A	x	x	x	✓	x	x	x	x	✓			
U. L.	94 VO	-	-	94 HB, 1570, 1571, 1572	1570, 1571, 1572	-	-	-	-			
Common Properties					Test Results							
Water Absorption (ASTM D1056)					Less than 5%							
Dielectric Strength					145 Volts Per Mil (Approximately)							
Thermal Conductivity (Average)					0.75 BTU in./hr.ft² °F							
Specific heat					0.3 BTU/lb/°F							
Linear Thermal Expansion (room temperature to +350°F)					1.8 x 10 ⁻⁴ in./in./°F							
Outgassing (NASA Test)					Less than 1%							
Continuous Operating Temperature					-73°C to +260°C							
Construction	Flame Retardant		Thermal Conductive	Reinforced	Flame Retardant	General Purpose			Low Compression Set	Fluoro-Silicone		
Width (mm)	914	914 x 914	914 x 914	914 x 914	914 x 914	914	914 x 914	914 x 914	914 x 914	914 x 914		
Specific Properties	R10400M		R10404	R10450	R10460	R10470M	R10470F	R10480M	R10480S	R10490		
Grade	Medium		Firm	Medium	Medium	Medium	Firm	Medium	Soft	Medium		
Colour	Blue / Grey		Light Green	Blue-Grey	Dark Blue	Orange-Tan / Black / Grey			Red	Brown	Blue	
Thickness	Roll	Sheet	Sheet	Sheet	Sheet	Roll	Sheet	Sheet	Sheet	Sheet		
Inches (mm)												
1/32 (0.79)	x	x	✓	x	x	✓	✓	MOQ	x	x	✓	
1/16 (1.59)	✓	✓	✓	✓	✓	✓	✓	✓	x	✓	✓	
3/32 (2.38)	✓	MOQ	MOQ	MOQ	MOQ	MOQ	MOQ	MOQ	x	MOQ	✓	
1/8 (3.18)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3/16 (4.76)	x	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
1/4 (6.35)	x	MOQ	MOQ	x	✓	x	✓	✓	✓	✓	✓	
3/8 (9.53)	x	MOQ	x	x	✓	x	✓	✓	✓	✓	x	
1/2 (12.7)	x	MOQ	x	x	✓	x	✓	x	✓	✓	x	
Compression deflection PSI (Compressed 25% at room temperature)	10		20	15	10	10			16	5	10	15
Tensile Strength (PSI)	690		120	125	75	90			130	50	75	180
Elongation at Break (%)	250		150	< 10	125	150			200	75	125	125
Compression Set (%) (Compressed 50% for 22hrs. at 100°C)	10		15	25	5	25			25	5	5	25
Density (lb/in³)	0.02		0.04	0.02	0.017	0.017			0.025	0.012	0.017	0.02

*Values are nominal and should not be used to write any specifications

Everjoy Industrial Supplies Pte. Ltd.

38 Woodlands Industrial Park E1, #04-11 Singapore 757700

Telephone: + 65 6748 3093

Fax: +65 6748 7202

Email: admin@everjoy.com.sg

COHRLastic® Closed Cell Silicone Sponge are also available with adhesive on one side or can be laminated with UHMW Pressure Sensitive Tape

<p>COHRLastic® TC100 Solid Silicone Rubber</p> <p>Thermally Conductive</p> <p>Laminated with 3M VHB</p>	<p>COHRLastic® R10404 Silicone Sponge Rubber</p> <p>Thermally Conductive</p> <p>Laminated with 3M VHB</p>	<p>COHRLastic® R10490 Fluorosilicone Sponge Rubber</p> <p>Oil & Petroleum Resistant</p> <p>Laminated with 3M VHB</p>	<p>COHRLastic® EC102 Solid Silicone Rubber</p> <p>Electrically Conductive</p> <p>Laminated with 3M VHB</p>
			
<p>COHRLastic® R10400M Silicone Sponge Rubber</p> <p>Flame Retardant UL 94-VO</p> <p>Laminated with 3M VHB</p>	<p>COHRLastic® R10450 Silicone Sponge Rubber</p> <p>Reinforced with Fiberglass</p> <p>Laminated with 3M VHB</p>	<p>COHRLastic® R10460 Silicone Sponge Rubber</p> <p>Flame Retardant UL 94 HBF</p> <p>Laminated with 3M VHB</p>	<p>COHRLastic® R10470M Silicone Sponge Rubber</p> <p>General Purpose</p> <p>Laminated with 3M VHB</p>
			
<p>COHRLastic® R10480M Silicone Sponge Rubber</p> <p>Good Compression Set Resistant</p> <p>Laminated with 3M VHB</p>	<p>COHRLastic® R10480S Silicone Sponge Rubber</p> <p>Soft & Good Compression Set Resistant</p> <p>Laminated with 3M VHB</p>	<p>COHRLastic® F12 Light Weight Silicone Foam</p> <p>Excellent Compression Set Resistant</p> <p>Laminated with 3M 467</p>	<p>COHRLastic® F12 Light Weight Silicone Foam</p> <p>4 Colours Grey □ Black □ Brown □ White</p> <p>Laminated with 3M 467</p> 
			

UHMW Tape Laminated on COHRLastic® R10470M

CHEMICAL FREE ETCHING process lamination for use on Medical and Food equipment

COHRLastic® R10470M is chemically inert, resilient, dimensionally more stable than Poron under extreme pressure and higher temperature needs.

We have the capabilities to laminate adhesive or pressure sensitive tapes of customer's choice onto silicone rubber and die cut precisely to customer prints.

Your options:

- ***For **CHEMICAL FREE ETCHING** a minimum order quantity is required and the size may be limited.
- 3M VHB is our standard adhesive, while customer can call out the type of adhesive they require but a minimum order quantity is required depending on quantity and availability of the selected adhesive.
- Acrylic adhesive is our standard for UHMW pressure sensitive tape.

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