



Integral Skin & Flexible Foams



Integral skin foams with the look,
feel and performance you need.

Integral Skin

Ecoflex™ integral skin foam systems produce best quality products with premium “fit & finish.” Inner foam densities range from pillow soft to very firm, with skinning that provides intricate decorative detail and rich, bold, vibrant color. Ecoflex integral skin foam systems are customizable to best suit your needs. Whether you would like to utilize UV stabilizers or anti-bacterial additives, Foam Supplies, Inc. is your turnkey solution provider to customize formulas that achieve the results you desire.

Uses

- ✓ **Steering Wheels**
- ✓ **Gearshift Knobs**
- ✓ **Medical Applications**
- ✓ **Headrests/Armrests**
- ✓ **Furniture**
- ✓ **Sporting Goods**
- ✓ **Footwear**
- ✓ **Promotional Items**
- ✓ **and more!**

Typical Laboratory Results

Components measured by weight and hand mixed at 25°C (77°F).

ecoflex™	IS 1004	IS 1005	IS 1006
Molded Density – kg/m ³ (pcf)	335 (20.9)	243 (15.2)	240 (15)
Tensile Strength – kPa (psi)	1739 (252)	3191 (463)	2050 (297)
Tear Resistance – N/m (pli)	7084 (40.5)	7946 (45.4)	5517 (31.5)
Elongation (%)	153	159	157
IFD @ 25% – N (lbf)	N/A	N/A	N/A
IFD @ 65% – N (lbf)	N/A	N/A	N/A
Dry Compression Set @50% – %	5.4	6.2	5.1





Relax, you've got Ecoflex™ to meet
all of your flexible foam needs.

Flexible Foams

Ecoflex™ flexible foam systems, made with Ecomate® blowing agent technology, offer a wide range of processing latitudes and possess physical properties that are equal to or greater than HFC-blown systems. Flexible foams made with Ecoflex produce unrivaled performance results in many aspects of product design including comfort factors, noise reduction and tear resistance. With the versatility you should expect from a flexible foam system, Ecoflex also offers the possibility of significantly low density ranges, as low as 2.5pcf.

Uses

- ✓ **Automotive Seating**
- ✓ **Furniture**
- ✓ **Bedding**
- ✓ **Pillows**
- ✓ **HVAC Components**
- ✓ **Footwear**
- ✓ **Carpet Backing**
- ✓ **Vibration & Sound Dampeners**
- ✓ **Textiles**
- ✓ **and more!**

Typical Laboratory Results

Components measured by weight and hand mixed at 25°C (77°F).

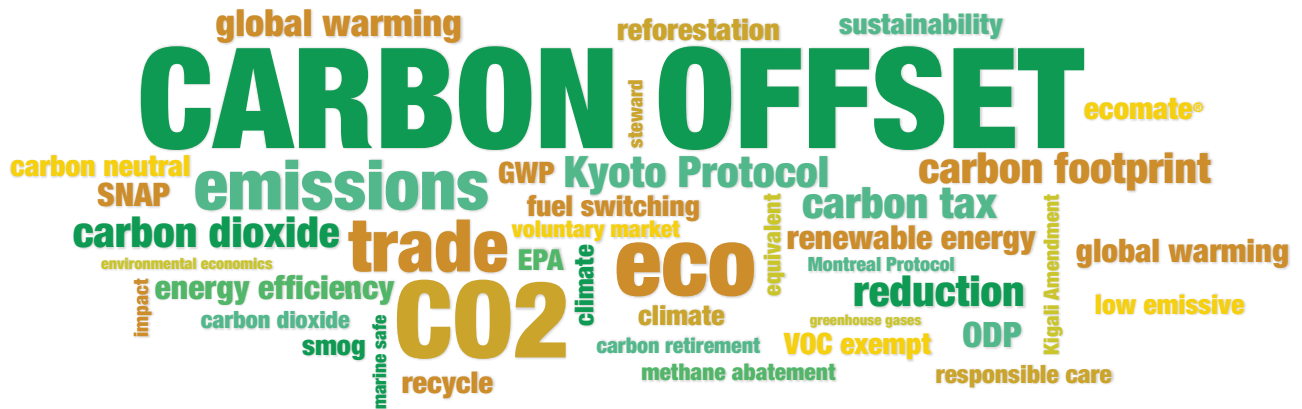
ecoflex™	HR 1001	HR 1002	VEM 1001	VES 1002	HSS 1001	HSS 1002
Molded Density – kg/m ³ (pcf)	40 (2.5)	128 (8)	40 (2.5)	Slab 41 kg (2.55 pcf)	Slab 44 kg (2.75 pcf)	38 (2.4)
Tensile Strength – kPa (psi)	148 (21.4)	129 (19)	55 (8)	71.7 (10.4)	52.4 (7.6)	89 (13)
Tear Resistance – N/m (pli)	492 (2.8)	629 (3.6)	280 (1.6)	350 (2)	1,000 (5.7)	645 (3.7)
Elongation (%)	158	183	176	390	570	414
IFD @ 25% – N (lbf)	145 (32.7)	284 (63.8)	76 (17)	9.2	17.2	23.4 (5.3)
IFD @ 65% – N (lbf)	437 (98.3)	814 (183)	157 (35.3)	17.9	34.4	56.9 (12.8)
Dry Compression Set @50% – %	4	2.8	1.3	2.1	1.5	42.9





The benchmark of environmental
compliance and responsibility.

Environmental Stewardship



FSI has been a steward of the environment since our founding, and Ecoflex™ is a prime example of how our commitment continues on. Powered by our patented EPA SNAP approved Ecomate® blowing agent technology, Ecoflex is an environmentally friendly solution that has NO Global Warming Potential (GWP), NO Ozone Depletion Potential (ODP) and is VOC-exempt, meaning it does not contribute to smog.

Ecoflex also meets the requirements of the Montreal and Kyoto Protocols and the Kigali Amendment, helping companies around the world make better products that are better for the environment.

Benefits

- ✓ Zero Global Warming
- ✓ Zero Ozone Depletion
- ✓ VOC Exempt
- ✓ EPA / SNAP Compliant
- ✓ Low Emissive Foams
- ✓ Montreal Protocol Compliant
- ✓ Kyoto Protocol Compliant
- ✓ Kigali Amendment Compliant





Better products. Better for the environment.



foamsupplies.com

Learn more about
what **ecomate**[®]
can do for you...
and the environment!



RESPONSIBLE CARE[®]
OUR COMMITMENT TO SUSTAINABILITY

FSI is a member of the American Chemistry Council, and supports the Responsible Care initiative for member companies to continuously improve their health, safety and environmental performance.