SuperSheet™ Foams

SuperSheet materials are low-density polyurethane foams featuring excellent water resistance characteristics and physical properties that make them ideal for gasketing and sealing applications.

SuperSheet foams compress with relatively little pressure, allowing their use in lightweight assemblies. With very low compression set, the materials provide an excellent alternative to EPDM seals.

In standard form, SuperSheet foams have a thin water-resistant skin on both upper and lower surfaces. The foams are produced as cast materials in four standard grades. Standard thicknesses range from 3 mm to 15 mm.

SuperSheet foams provide cost-effective gaskets in a variety of markets and applications, including automotive, marine vehicles, RVs, appliances, cabinetry and small equipment.

- Seal out water and air when compressed 50 to 80 percent
- Resistant to compression set
- Soft, yet strong
- Die cut easily and cleanly
- Available in a variety of thicknesses (Contact us for versions not listed.)

Typical Properties

Property	SuperSheet H			SuperSheet H3			SuperSheet H4			SuperSheet H6	
	3 mm	6 mm	10 mm	3.5 mm	5 mm	10 mm	5 mm	6 mm	10 mm	5 mm	6 mm
Density Nominal kg/m³ (pcf) ASTM D3574	61 (3.8)	54 (3.4)	51 (3.2)	64 (4.0)	61 (3.8)	58 (3.6)	59 (3.7)	58 (3.6)	56 (3.5)	61 (3.8)	56 (3.5)
Hardness ASTM D2240 15 sec post impact, Shore OO	10	10	10	23	23	23	24	24	24	22	22
Flammability FMVSS-302			Meets			Meets			Meets		
Brittleness Temp. C (F) ASTM D746	-60C (-76F) All Thicknesses			-55C (-67F) All Thicknesses			-47C (-53F) All Thicknesses			-47C (-53F) All Thicknesses	
Tensile Strength kPa (psi) ASTM 3574	193 (28)	193 (28)	179 (26)	248 (36)	214 (31)	221 (32)	248 (36)	234 (34)	241 (35)	283 (41)	214 (31)
Elongation (%) ASTM D3574	208	194	198	114	114	105	104	115	106	101	114
Tear Strength kN/m (lb/in) ASTM D624	0.95 (5.4)	0.78 (4.4)	0.83 (4.7)	0.69 (3.9)	0.65 (3.7)	0.83 (4.7)	0.86 (4.9)	0.79 (4.5)	0.88 (5.0)	0.85 (4.8)	0.76 (4.3)
Compression Set (% original height) 50% Deflection ASTM D1667 22hr @ 23C (73F)	2.3	2.3	2.3	1.8	1.8	1.8	2.9	2.9	2.9	2.6	2.6
ASTM D3574 22hr @ 70C (158F)	9.1	9.1	9.1	6.2	6.2	6.2	7.8	7.8	7.8	8.0	8.0
Water Absorption (% weight gain) ASTM D570 24hr immersion		5.2			6.0			6.9			4.9
Sealability Maintain water-tight seal 1 hour minimum 23C (73F) GM6086M	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compression Load Deflection kPa (psi) ASTM D3574											
25% Deflection	5.9 (0.85) All Thicknesses			12 (1.8) All Thicknesses			16 (2.3) All Thicknesses			15 (2.2) All Thicknesses	
50% Deflection	9.4 (1.4) All Thicknesses			19 (2.8) All Thicknesses			35 (5.1) All Thicknesses			26 (3.7) All Thicknesses	
RoHS Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

The data listed in this materials summary are typical or average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose.

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