

Confor® Foams

Our Confor® foams offer a unique combination of seemingly conflicting properties that are ideal for comfort management and protective padding applications. These urethane foams soften and conform when exposed to warmth, giving gentle, virtually pressure-free support. When the foams take a direct blow, however, their high energy-absorption characteristics enable them to absorb up to 97 percent of an impact. While they are slow to recover after deflection, they effectively resist compression set. Three standard densities and several stiffnesses are available.

Typical Properties

Property	CF-47™ Gre	CF-45™ Blue	CF-42™ Pink	CF-40™ Yell	CFNT™ Yellow
Density Nominal (pcf) ™ASTM D 5.8	6.0	5.7	5.8	5.1	
Flammability ™UL94					Listed HBF
MVSS-302	Meets	Meets	Meets	Meets	Meets
FAR 25.853(a) Appendix F™Part	Meets	Meets	Meets	Meets	Meets
California Flame 117	Meets	Meets	Meets	Meets	Meets
Ball Rebound (%) ™ASTM D357	2.8	2.4	1.0	0.9	4.0
Thermal Conductivity-K Value	0.28	0.28	0.28	0.28	0.28
Compression Set (%) ™ASTM D 0.3	0.4	0.9	0.6	1.8	
Compressed 50%	0.6	0.6	1.0	2.4	6.0
Indentation Force Deflection ™	43	34	26	15	8
Tensile Strength (psi) ™ASTM D 25.2	22.3	18.1	14.6	6.0	
Tear Strength (lb/in) ™ASTM D3	5.5	4.6	3.4	1.6	1.5
Elongation (%) ™ASTM D3574™2	98	108	109	135	149

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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