

Compress-Sil FDA compliant Grade Cellular Silicone Elastomer

Compress-Sil is a new formulated compound supplied by Sealing Projex that is FDA compliant, Unlike most other cellular products on the market. Compress-Sil is an extruded product that offers excellent compression recovery that is required on many static sealing applications.

Compress-Sil is an excellent choice for a compliant seal where low load is available, example Hinged Doors,

Our Compress-Sil range has been tested to and is in compliance with the American Food and Drugs Administration (FDA) 21 CFR 177 -2600 & Directive EC 1935/2004.

These products meet the flammability requirements of FAR 25/JAR 25/CS 25

Mechanical Properties

Property	Units	Spec Limits	Typical Value	Test Method
*Density	kg.m ⁻³	350 ±40	350	BSENISO 845
	lb.ft ⁻³	21.8±2.5	21.8	
**Hardness	Shore OO	-	~50 to 60	ASTM D2240
	Shore A		~ 7 to 10	
*** Compression Stress	kPa	80 ±20	78	BSENISO 3386 part1, 2
40% strain	psi	11.6±2.9	11.3	
Tensile Strength	MPa	0.4 min.	0.45	BSENISO 1798
	psi	58	65	
Elongation to Failure	%	75 min.	140	BSENISO 1798
Compression Set	%	20 max	3.1	BSENISO 1856
50% compression, 24 hours recovery				
22 hours @ 70°C (158°C)				
22 hours @ 100°C (212°F)	%	20 max	3.3	BSENISO 1856

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