



FDA Grade Solid Silicone

FDA Grade Solid Silicone is a safe and reliable material for manufacturing processing in the food, drink, and agriculture industry. It's designed to service applications where food is present, but not in direct contact with the silicone.

TECHNICAL DATA SHEET | (EFFECTIVE 25FEB24)

Solid Silicone, FDA Grade					
PHYSICAL PROPERTY	TEST METHOD	UNIT	DUROMETER (SHORE A)		
			50 ± 5	60 ± 5	70 ± 5
Tensile Strength	ASTM D412	psi	1100	1100	1000
Elongation	ASTM D412	%	350	280	200
Tear Strength (Die C), min	ASTM D624	ppi	100	100	100
Specific Gravity, typical	--	g/cm ³	1.15	1.18	1.21
Low Working Temp	--	°F	-80	-80	-80
High Working Temp	--	°F	450	450	450
Industry Standards					
FDA Regulation 21 CFR 177.2600	Rubber articles intended for repeated use and may be safely used in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting, or holding food, subject to the provisions of this section. Meaning this material is generally recognized as safe, and can be used in applications where repeated use in contact with food occurs.				