

Food & Drug Applications Materials List

ISC-Simrit offers a wide range of elastomeric compounds that are formulated to comply with regulations issued by the United States Federal Food & Drug Administration (FDA). These regulations are found in Title 21, Chapter 1, Subchapter B, Section 177.2600 of the Federal Food & Cosmetic Act. These regulations define which elastomers and compounding ingredients can be used in rubber articles intended for repeated contact with food. Most compounds (typically those that are non-black) are for use with aqueous and fatty foods, while some (typically those that are black) are restricted to aqueous foods.

Compound Name	Material Type	Color	Hardness (Shore A)	Description
75 Simriz 484	FFKM	Black	75	FDA compliant, USP Class VI
75 Simriz 486	FFKM	White	75	USP Class VI
V148	FKM	Black	75	FDA compliant
V178	FKM	Red	75	FDA, USDA 3A Sanitary Standard and USP Class VI
V180	FKM	White	75	FDA compliant
S40	SILICONE	Red	40	FDA compliant
S50	SILICONE	Red	50	FDA compliant
S60	SILICONE	Red	60	FDA compliant
S70	SILICONE	Red	70	FDA and USDA 3A Sanitary Standard Approved
S70CL	SILICONE	Clear	70	FDA compliant, clear to meet special purity needs
S70WH	SILICONE	White	70	FDA compliant, white to meet special purity needs
S80	SILICONE	Red	80	FDA compliant
E429	EPDM	Black	70	FDA compliant except for with dairy or fatty foods. Peroxide cured, internally lubricated, NSF-61 approved
N445	NITRILE	Black	70	FDA compliant. Except for Dairy or fatty foods. Internally lubricated

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

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