

FDA and USP Class VI Seal Compounds

O-rings / Custom Molded	Extruded Profiles	Material	Hardness (Shore A)	Color	Comments
ETHYLENE PROPYLENE – materials with temperature range -70°F to 250°F					
X	X	E7001-60	60	Black	FDA
X		E1028-70	70	Black	FDA
X	X	E7736-70	70	Black	FDA
X		E3609-70	70	Black	FDA, USP Class VI
	X	E7925-70	70	Black	FDA
	X	EJ590-70	70	White	FDA, USP Class VI
	X	E7871-75	75	Black	FDA
	X	E7126-80	80	Black	FDA
FLUOROCARBON – materials with temperature range -15° to 400°F					
X		V0680-70	70	Red	FDA
X	X	V7108-70	70	White	FDA
X		V1274-80	80	Black	FDA
PERFLUORINATED – materials with temperature range -5° to 608°F					
X		FF200-75	75	Black	FDA
X		FF350-75	75	White	FDA, USP Class VI
X		FF500-75	75	Black	FDA
X		V8545-75	75	Black	FDA
X		V8562-75	75	White	FDA
NITRILE - materials with temperature range -30° to 225°F					
X		N1219-60	60	Black	FDA
X		NJ253-70	70	Black	FDA
X		N1220-70	70	Black	FDA
X		N1069-70	70	Black	FDA
	X	N7068-70	70	Black	FDA
X		N0508-75	75	Black	FDA
	X	N7219-80	80	Black	FDA
SILICONE - materials with temperature range -60° to 450°F					
X		S0802-40	40	White	FDA
	X	S7577-40 ⁽¹⁾	40	Translucent	USP Class VI
	X	S7317-40	40	Translucent	FDA
	X	S7442-40	40	Rust	FDA
X	X	S7561-40	40	White	FDA
	X	S7433-50 ⁽¹⁾	50	White	USP Class VI
	X	S7489-50 ⁽¹⁾	50	Translucent	USP Class VI
	X	S7318-50	50	White	FDA
	X	S7405-50	50	Translucent	FDA
	X	S7435-50	50	Rust	FDA
	X	S7469-50	50	Red	FDA
X		S1538-55	55	Translucent	FDA, USP Class VI
	X	S7530-55 ⁽¹⁾	55	Translucent	USP Class VI
	X	S7311-55	55	Rust	FDA
	X	S7396-55	55	White	FDA
X		S0317-60	60	Rust	FDA, USP Class VI

O-rings / Custom Molded	Extruded Profiles	Material	Hardness (Shore A)	Color	Comments
SILICONE - materials with temperature range -60° to 450°F (continued)					
	X	S7490-60 ⁽¹⁾	60	Translucent	USP Class VI
	X	S7349-60	60	Red	FDA
	X	S7350-60	60	Green	FDA
	X	S7351F-60	60	White	FDA
	X	S7354-60	60	Blue	FDA
	X	S7355-60	60	White	FDA
	X	S7359-60	60	Black	FDA
	X	S7413-60	60	Rust	FDA
	X	S7526-60	60	Yellow	FDA
X		S1138-70	70	Rust	FDA
	X	S7387-70 ⁽¹⁾	70	Translucent	USP Class VI
	X	S7492-70 ⁽¹⁾	70	Translucent	USP Class VI
	X	S7314F-70	70	Black	FDA
	X	S7494-70	70	Red	FDA
	X	S7525-70	70	White	FDA
X		S0355-75	75	Rust	FDA
	X	S7386F-75	75	White	FDA
	X	S7383-80 ⁽¹⁾	80	White	USP Class VI
	X	S7300F-80	80	White	FDA
	X	S7309-80	80	Black	FDA
	X	S7313-80	80	Blue	FDA
	X	S7548-80	80	Blue	FDA
	X	S7568-80	80	Red	FDA
THERMOPLASTIC - materials with temperature range -76° to 275°F					
	X	J7976-45	45	Beige	USP Class VI
	X	J7976-55	55	Beige	USP Class VI
	X	J7737-55	55	Black	USP Class VI
	X	J7969-55	55	Beige	FDA
	X	J7813-55	55	Black	FDA
	X	J7902-64	64	Beige	USP Class VI
	X	J7974-64	64	Black	USP Class VI
	X	J7959-64	64	Beige	FDA
	X	J7967-64	64	Black	FDA
	X	J7876-73	73	Beige	USP Class VI
	X	J7975-73	73	Black	USP Class VI
	X	J7267-73	73	Beige	FDA
	X	J7968-73	73	Black	FDA
	X	J7970-80	80	Beige	FDA
	X	J7907-87	87	Beige	USP Class VI
	X	J7971-87	87	Beige	FDA
	X	J7977-40D	40 ⁽²⁾	Beige	USP Class VI
	X	J7972-40D	40 ⁽²⁾	Beige	FDA
	X	J7973-50D	50 ⁽²⁾	Beige	FDA

(1) Platinum cured silicone rubber

(2) Hardness of compound is Shore D