

Specification: ASTM D2000 M7GE705 A19 B37 EA14 EO16 EO36 F19 Z1

Z1: FDA 21 CFR 177.2600

Cure System: Peroxide

Recommended Service Temperature: -67 °F to 392 °F (-55 °C to 200 °C)

NOTE: All testing done on slabs and buttons. Material formerly known as S570.

Original Properties	Specification	S70
Hardness, Shore A	70±5	71
Tensile Strength, psi	725 (min)	1109
Ultimate Elongation, %	150 (min)	249
Specific Gravity		1.321
Color		Rust
Heat Resistance - A19 , ASTM D 573 (70 hrs @ 225 °C)		
Hardness Change, points	+10	+3
Tensile Strength Change, %	-25	-7.6
Elongation Change, %	-30	-25.7
Compression Set, % - B37, ASTM D 395 Method B (22 hrs @ 175 °C)		
Permanent Set, %	30 (max)	16.1
Fluid Resistance, Water - EA14, ASTM D 471 (70 hrs @ 100 °C)		
Hardness Change, points	±5	-4
Volume Change, %	±5	+3.5
Fluid Resistance, ASTM #1 Oil - EO16, ASTM D 471 (70 hrs @ 150 °C)		
Hardness Change, points	-15 to 0	-3
Tensile Strength Change, %	-20 (max)	-12.2
Elongation Change, %	-20 (max)	-13.7
Volume Change, %	0 to +15	+4.8
Fluid Resistance, IRM 903 Oil - EO36, ASTM D 471 (70 hrs @ 150 °C)		
Hardness Change, points	-40	-14
Volume Change, %	+60	+48.1
Low Temperature Resistance - F19, ASTM D 2137 Method A, 9.3.2		
(Non-brittle after 3 min @ -55 °C)	Pass	Pass

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.



DICHTOMATIK
AMERICAS

1087 Park Place
Shakopee, MN 55379
800-328-2840
www.dichtomatik.us